JOURNAL OF POLYMER SCIENCE

Combined Author Index to Volume 38

This index covers the Polymer Chemistry and Polymer Physics Editions of the *Journal of Polymer Science*, Vol. 38, 2000. The Edition in which an item appears is indicated by a C or P, respectively, following the page number.

Abad, M. J. See Barral, L., 351P
Abbott, R. F. See Soares, J. B. P., 1267P
Abdul Ghafor, W. A. S.
—; Schottky Effect Mechanism in Poly(pyromellitic-4,4-diphenyl sulphone) Films, 2507P
Abdulameer, I. See Pyriadi, T. M., 3244C
Abe, T. See Suzuki, H., 108C
Abraham, G. A.
—; Gallardo, A.; Lozano, A. E.; San Roman, J.: ε-Caprolactone/$ZnCl_2$ Complex Formation: Characterization and Ring-Opening Polymerization Mechanism, 1355C
Abu-Yousef, I. A. See Hlil, A. R., 1318C
Acharya, R. N. See Panda, A., 3462C
Acosta, J. L. See Villarreal, I., 1258P
Adamson, D. H. See Loo, Y.-L., 2564P
Agag, T.
—; Takeichi, T.: Novel Method for Preparation of Poly-(benzoxazinone-imide), 1647C
Agag, T. See Takeichi, T., 4165C
Agrawal, R.
—; Saxena, N. S.; Sreekala, M. S.; Thomas, S.: Effect of Treatment on the Thermal Conductivity and Thermal Diffusivity of Oil-Palm-Fiber-Reinforced Phenolformadelhyde Composites, 916P
Ahn, B. G. See Ko, Y. G., 2815C
Ahn, B. K. See Jeong, H. M., 3009P
Ahn, C.-H. See Jin, J., 3355C; Uozumi, T., 1844C
Ahn, D. J. See Ko, Y. G., 2815C
Ahn, J.-H. See Shin, D.-C., 3086C
Ahn, T. O. See Lee, S.-S., 803P
Aiba, S. See Maeda, Y., 4478C
Aida, T. See Szwarc, M., 1710C
Ajiro, H. See Habaue, S., 4088C; Chen, M.-Q., 1811C; Uchida, T., 3052C; Yamamoto, K., 3674C
Akcelrud, L. See Wang, S. H., 2861P
Albalak, R. J. See Lehman, S. Y., 2170P
Albertsson, A.-C. See Edlund, U., 786C
Albertsson, A.-C. See Stridsberg, K., 1774C
Alegría, A.
—; Goitiandia, L.; Colmenero, J.: Interpretation of the TSDC Fractional Polarization Experiments on the α-Relaxation of Polymers, 2105P
Alemán, C. See Bermúdez, M., 41P
Alexander, M. D. Jr. See Dang, T. D., 1991C
Alexeev, V. See Nikolaeva, O., 1323P
Al-Ghamdi, A.
—; Al-Saigh, Z. Y.: Miscibility and Surface Characterization of a Poly(vinylidene fluoride)-Poly(vinyl methyl ketone) Blend by Inverse Gas Chromatography, 1155P
Al-Hussein, M.
—; Davies, G. R.; Ward, I. M.: Mechanical Properties of Oriented Low-Density Polyethylene with an Oriented Lamellar-Stack Morphology, 755P
Al-Kaysi, R. See Masere, J., 3984C
Alloin, F.
—; Sanchez, J.-Y.: Partial Hydrogenation of Unsaturated Polyethers: A Convenient Route to Curable Terpolymers for Lithium Batteries, 2900C
Almanza, O. A.
—; Rodríguez-Pérez, M. A.; De Saja, J. A.: Prediction of the Radiation Term in the Thermal Conductivity of Crosslinked Closed Cell Polyolefin Foams, 993P
Al-Muallem, H. A. See Knauss, D. M., 4289C
Al-Saigh, Z. Y. See Al-Ghamdi, A., 1155P
Alvarez, C. I.
—; Strumia, M. C.: Different Synthetic Routes to Obtain Hydrophilic Matrices, 489C
Alvarez, F. See Elícegui, A., 234P
Amass, A. J.
—; Barclay, G. G.: Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1711C
Ameduri, B. See Pradel, J. L., 3293C
An, Y.
—; Dong, L.; Li, G.; Mo, Z.; Feng, Z.: Miscibility, Crystallization Kinetics, and Morphology of Poly(β-hydroxybutyrate) and Poly(methyl acrylate) Blends, 1860P

Andjelić, S.
—; Fitz, B. D.: Study of Reorientational Dynamics during Real-Time Crystallization of Absorbable Poly(*p*-dioxanone) by Dielectric Relaxation Spectroscopy, 2436P
Andre, S.
—; Guida-Pietrasanta, F.; Rousseau, A.; Boutevin, B.; Caporiccio, G.: Synthesis, Characterization, and Thermal Properties of Anhydride Terminated and Allyl Terminated Oligoimides, 2993C
Andreopoulos, F. M.
—; Beckman, E. J.; Russell, A. J.: Photoswitchable PEG-CA Hydrogels and Factors That Affect Their Photosensitivity, 1466C
Annis, B. K. See Kwon, Y. K., 611P
Aoshima, S.
—; Sugihara, S.: Syntheses of Stimuli-Responsive Block Copolymers of Vinyl Ethers with Side Oxyethylene Groups by Living Cationic Polymerization and Their Thermosensitive Physical Gelation, 3962C
Aota, H. See Matsumoto, A., 4396C
Apple, T. M. See Roberts, C. C., 3486C
Arakawa, R.
—; Watanabe, T.; Fukuo, T.; Endo, K.: Determination of Cyclic Structure for Polydithiane Using Electrospray Ionization Mass Spectrometry, 4403C
Archer, L. A. See Mhetar, V. R., 222P
Areso, S. See García-Martínez, J. M., 1564P
Armstrong, W. D.
—; Kumar, V.: A Discrete Complex Compliance Spectra Model of the Nonlinear Viscoelastic Creep and Recovery of Microcellular Polymers, 691P
Arnold, F. E. See Dang, T. D., 1991C
Arsac, A. See Scaffaro, R., 1795C
Artym, I. See Zaichenko, A., 516C
Arul, J. See Kasaai, M. R., 2591P
Arzamendi, G. See Sayer, C., 367C, 1100C
Asai, K.
—; Inoue, S.-I.; Okamoto, H.: Preparation and Properties of Imide-Containing Elastic Polymers from Elastic Polyureas and Pyromellitic Dianhydride, 715C
Asai, M. See Hayakawa, T., 3875C; Nishio, A., 2106C
Asakawa, N. See He, Y., 1848P, 2891P
Asandei, A. D. See Percec, V., 3631C, 3839C, 4353C
Asaoka, E. See Miyaji, T., 1064C
Asgarzadeh, F. See Percec, V., 3839C, 4353C
Ashbaugh, J. R.
—; Ruff, C. R.; Shaffer, T. D.: Characterization of Signals in the Solution ^{1}H NMR Spectrum of Poly(isobutylene-*co*-*p*-methylstyrene) and Their Utility, 1680C
Assender, H. E. See Deng, C.-S., 3151P
Asua, J. M. See Mendoza, J., 4490C; Sayer, C., 367C, 1100C
Atkins, E. D. T. See Jones, N. A., 1209P, 3302P
Atkinson, N. See Desai, A., 1033C
Augustine, S. See Varkey, J. T., 2189P
Ayano, M. See Yoshida, M., 362P
Azuma, C. See Miyaji, T., 1064C

Bae, Y. C. See Lee, Y. S., 4128C
Baer, E. See Qureshi, N., 1679P
Bag, K. See Rana, D., 369P
Baibarac, M.
—; Mihut, L.; Louarn, G.; Lefrant, S.; Baltog, I.: Doping and Metallic-Support Effect Evidenced on SERS Spectra of Polyaniline Thin Films, 2599P
Bain, A. D. See Cong, R., 1276P
Baird, M. C. See Murray, M. C., 3966C
Baker, W. E. See Clark, D. C., 2456C
Bales, S. E. See Marks, M. J., 2352C
Balsara, N. P. See Lefebvre, A. A., 1926P
Baltà-Calleja, F. J. See Denchev, Z., 1167
Baltog, I. See Baibarac, M., 2599P
Ban, M. See Uedono, A., 101P
Banach, M. J. See Beaucage, G., 2929P
Banda, L. See Sakurai, S., 1716P
Baney, J. M. See Hui, C. Y., 1485P
Bang, H. J.
—; Lee, J. K.; Lee, K. H.: Phase Behavior and Structure Development in Extruded Poly(ethylene terephthalate)/Poly(ethylene-2,6-naphthalate) Blend, 2625P
Bansal, M. See Chauhan, G. S., 4506C
Bansil, R. See Konak, C., 1312P
Barabanov, W. See Vedikhina, L., 1824P
Barbeau, Ph.
—; Gerard, J. F.; Magny, B.; Pascault, J. P.: Effect of the Diisocyanate on the Structure and Properties of Polyurethane Acrylate Prepolymers, 2750P
Barboiu, B. See Feiring, A. E., 3313C; Percec, V., 3839C, 4353C
Barbosa, S. E.
—; Bibbó, M. A.: Fiber Motion and Rheology of Suspensions with Uniform Fiber Orientation, 1788P
Barclay, G. G. See Amass, A. J., 1711C
Barham, P. J. See Hobbs, J. K., 1575P
Barikani, M.
—; Mehdipour-Ataei, S.: Synthesis, Characterization, and Thermal Properties of Novel Arylene Sulfone Ether Polyimides and Polyamides, 1487C
Barral, L.
—; Cano, J.; López, J.; López-Bueno, I.; Nogueira, P.; Abad, M. J.; Ramírez, C.: Kinetic Studies of the Effect of ABS on the Curing of an Epoxy/Cycloaliphatic Amine Resin, 351P
Barrière, B.
—; Glotin, M.; Leibler, L.: An Analysis of the Reaction–Diffusion Mechanism Governing the Chlorination Process of Poly(vinyl chloride), 3201P
Bartelink, C. F.
—; De Pooter, M.; Grünbauer, H. J. M.; Beginn, U.; Möller, M.: Controlled Formation of Isocyanate-Terminated Star

Polyethers Avoiding Chain Extension, 2555C
Bartolomeo, P.
—; Chailan, J. F.; Vernet, J. L.: Dielectric Investigation of Interphase Formation in Composite Materials. I. Ionic Conductivity and Permittivity Exploration, 2154P
—; Chailan, J. F.; Vernet, J. L.: Dielectric Investigation of Interphase Formation in Composite Materials. II. Relaxation Process, 2162P
Bassett, D. R. See Tam, K. C., 2019P
Bates, F. S. See Chaffin, K. A., 108P; Chen, Y. Y., 2965P
Bauer, B. J.
—; Ramzi, A.; Liu, D.-W.; Scherrenberg, R. L.; Froehling, P.; Joosten, J.: Blends of Fatty-Acid-Modified Dendrimers with Polyolefins, 95P
Bauers, F. See Bruch, M., 1222C
Bazile, J. P. See Guillermo, A., 889P
Beaucage, G.
—; Banach, M. J.; Vaia, R. A.: Relaxation of Polymer Thin Films in Isothermal Temperature-Jump Measurements, 2929P
Becker, M. See Inoue, S.-I., 1436P
Beckman, E. J. See Andreopoulos, F. M., 1466C
Beginn, U.
—; Fischer, E.; Pieper, T.; Mellinger, F.; Kimmich, R.; Moller, M.: Controlled Preparation of Nanometer-Sized Supramolecular Cylinders of Poly(ethylene oxide) Embedded in Methacrylate Matrices, 2041C
—; Zipp, G.; Möller, M.: Self-Organization of Liquid Crystalline 3,4,5-Tris (11-methacryloyl-undecyl-1-oxy)-4-benzyloxy]Benzoates in Low-Shrinkage Methacrylate Mixtures, 631C
Beginn, U. See Bartelink, C. F., 2555C
Belfiore, L. A.
—; Indra, E. M.: Transition Metal Compatibilization of Poly(vinylamine) and Poly(ethylene imine), 552P
—; See Das, P. K., 1931P
Benavente, R. See Cerrada, M. L., 573P; Pérez, E., 1440P
Bender, T. P.
—; MacKinnon, S. M.; Wang, Z. Y.: Poly(aryl ether)s Containing *o*-Terphenyl Subunits. III. Random Copoly(ether imide)s, 758C
—; Wang, Z. Y.: Synthesis of Polyimides and Segmented Block Copolyimides by Transimidization, 3991C
—; See MacKinnon, S. M., 9C
Benmouna, F.
—; Maschke, U.; Coqueret, X.; Benmouna, M.: On the Phase Equilibria of Nematic Mixtures, 478P
Benmouna, M. See Benmouna, F., 478P
Bera, T. K. See Percec, V., 3839C
Berek, D. See Nguyen, S. H., 2284C
Bergbreiter, D. E.
—; Tao, G.: Chemical Modification of Hyperbranched Ultrathin Films on Gold and Polyethylene, 3944C
Berge, A. See Nyhus, A. K., 1366C
Bergmann, J. See Friedel, P., 1617P
Bermúdez, M.
—; León, S.; Alemán, C.; Muñoz-Guerra, S.: Structure and Morphology of Nylon 46 Lamellar Crystals: Electron Microscopy and Energy Calculations, 41P
Bernazzani, P.
—; Chapados, C.; Delmas, G.: Double-Helical Network in Amylose as Seen by Slow Calorimetry and FTIR, 1662P
Bershtein, V. A. See Georgoussis, G., 3070P
Bertoniere, N. R. See Sachinvala, N. D., 1889C
Besold, G.
—; Guo, H.; Zuckermann, M. J.: Off-Lattice Monte Carlo Simulation of the Discrete Edwards Model, 1053P
Bhagawan, S. S. See Varkey, J. T., 2189P
Bhattacharyya, S.
—; Saha, S. K.; Chakravorty, D.: Conductivity Relaxation Behavior of Interpenetrating Polymer Network Composites of Polypyrrole and Poly(styrene-*co*-butyl acrylate), 1193
Bhattacharyya, S. N. See Rana, D., 369P
Bibbó, M. A. See Barbosa, S. E., 1788P
Biçak, N.
—; Şenkal, B. F.; Şişmanoğlu, T.; Özeroğlu, C.: New, Strong Cationic Hydrogels: Preparation of *N,N,N′,N′*-Tetraallyl Piperazinium Dibromide and Its Copolymers with *N,N*-Diallyl Morpholinium Bromide, 1006C
Bidstrup Allen, S. A. See Patel, K. S., 1634P
Bie, H. See Han, M., 2893C
Bikales, N. M.
—; Penczek, S.; Percec, V.: Obituary: Michael Szwarc (1909–2000): Polymer Science Has Lost a Giant, 4177C
Billaud, C.
—; Sarakha, M.; Bolte, M.: Kinetic Study of Azidopentaammine Cobalt(III) Complex as Photoinitiator and Termination Agent of *N*-Vinylpyrrolidone Radical Polymerization, 3997C
Biltresse, S.
—; Descamps, D.; Boxus, T.; Marchand-Brynaert, J.: Attachment of Bis-(trifluoromethyl)aryl Labels onto the Chain Ends of Poly(ethylene terephthalate) (PET) Track-Etched Membranes and Films by Surface Wet Chemistry, 3510C
Bindu, R. L.
—; Reghunadhan Nair, C. P.; Ninan, K. N.: Phenolic Resins Bearing Maleimide Groups: Synthesis and Characterization, 641C
Binger, D. R. See Hobbs, J. K., 1575P
Bishop, M. T. See So, Y.-H., 1283C
Blanchard, R. M.
—; Nuzzo, R. G.: An Infrared Study of the Effects of Hydration on Cation-Loaded Nafion Thin Films, 1512P
Blanche, P.-A. See Maertens, C., 205P
Bodini, M. E. See Del Valle, M. A., 1698C

Bodnár, I.
—; Silva, A. S.; Deitcher, R. W.; Weisman, N. E.; Kim, Y. H.; Wagner, N. J.: Structure and Rheology of Hyperbranched and Dendritic Polymers. I. Modification and Characterization of Poly(propyleneimine) Dendrimers with Acetyl Groups, 857P
—; Silva, A. S.; Kim, Y. H.; Wagner, N. J.: Structure and Rheology of Hyperbranched and Dendritic Polymers. II. Effects of Blending Acetylated and Hydroxy-Terminated Poly(propyleneimine) Dendrimers with Aqueous Poly(ethylene oxide) Solutions, 874P
—; See Borda, J., 2925C
Boey, F. Y. C.
—; Song, X. L.; Yue, C. Y.; Zhao, Q.: Modeling the Curing Kinetics for a Modified Bismaleimide Resin, 907C
Boháček, J. See Horák, D., 1161C
Bokobza, L.
—; Lapra, A.: Styrene-Butadiene Copolymers with Different Butadiene Microstructure: Mechanical, Swelling, and Orientational Properties, 2449P
Bolte, M. See Billaud, C., 3997C
Bon, S. A. F.
—; Steward, A. G.; Haddleton, D. M.: Modification of the ω-Bromo End Group of Poly(methacrylate)s Prepared by Copper(I)-Mediated Living Radical Polymerization, 2678C
Bondar, V. See Merkel, T. C., 273P
Bondar, V. I.
—; Freeman, B. D.; Pinnau, I.: Gas Transport Properties of Poly(ether-*b*-amide) Segmented Block Copolymers, 2051P
—; See Merkel, T. C., 415P
Boogh, L. See Mezzenga, R., 1883P, 1893P
Borda, J.
—; Bodnár, I.; Kéki, S.; Sipos, L.; Zsuga, M.: Optimum Conditions for the Synthesis of Linear Polylactic Acid-Based Urethanes, 2925C
Börner, F. See Dlubek, G., 3062P
Bosscher, F. See Marks, M. J., 560C
Boutevin, B.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1712C
—; Guida-Pietrasanta, F.; Ratsimihety, A.: Synthesis of Photocrosslinkable Fluorinated Polydimethylsiloxanes: Direct Introduction of Acrylic Pendant Groups via Hydrosilylation, 3722C
—; Highlight. From Telomerization to Living Radical Polymerization, 3235C
—; See Andre, S., 2993C; Lacroix-Desmazes, P., 3845C; Lebreton, P., 1834C; Pradel, J. L., 3293C
Boxus, T. See Biltresse, S., 3510C
Brant, P. See Chaffin, K. A., 108P
Branz, S. E. See Desai, A., 1033C
Bras, W. See Goderis, B., 1975P
Braslau, R.
—; Brittain, W. J.: Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1713C
Brembilla, A. See Ding, X. Z., 3067C
Briggs, G. A. D. See Deng, C.-S., 3151P
Brister, L. B. See Puskas, J. E., 444C
Brittain, W. J. See Braslau, R., 1713C
Brooks, B. W. See Sajjadi, S., 528C
Brown, G. M. See Chaffin, K. A., 108P
Bruch, M.
—; Mäder, D.; Bauers, F.; Loontjens, T.; Mülhaupt, R.: Melt Modification of Poly(styrene-*co*-maleic anhydride) with Alcohols in the Presence of 1,3-Oxazolines, 1222C
Brüll, R.
—; Pasch, H.; Raubenheimer, H. G.; Sanderson, R.; Wahner, U. M.: Polymerization of Higher Linear α-Olefins with $(CH_3)_2Si$(2-methylbenz e]-indenyl)$_2ZrCl_2$, 2333C
Brull, R. See Van Reenen, A. J., 4110C
Brzezinska, K. R.
—; Schitter, R.; Wagener, K. B.: Carbosilane/Carbosiloxane-Based ADMET Homopolymers and Copolymers Possessing Latent Reactivity, 1544C
Bu, H. See Gao, X., 3285P
Buchhold, R. See Dlubek, G., 3062P
Budtova, T. See Nikolaeva, O., 1323P
Bui, V. T. See Xu, R., 443P
Burchill, P. J. See Roberts, K. N., 3136P
Burget, D. See Lemee, V., 1785C
Burnside, S. D.
—; Giannelis, E. P.: Nanostructure and Properties of Polysiloxane-Layered Silicate Nanocomposites, 1595P
Busfield, W. K.
—; Jenkins, I. D.; Bywater, S.; Ciardelli, F.: Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1714C
Butler, G. B.: Cyclopolymerization, 3451C
Büyüktanir, E. A.
—; Küçükyavuz, Z.: Solution Properties of Poly(dimethyl siloxane), 2678P
Bywater, S. See Busfield, W. K., 1714C

Cai, W.-J. See Li, X.-G., 4407C
Calle, P. See García, N., 3883C
Calventus, Y. See Montserrat, S., 456P
Cancouët, P.
—; Daudet, E.; Hélary, G.; Moreau, M.; Sauvet, G.: Functional Polysiloxanes. I. Microstructure of Poly(hydrogenmethylsiloxane-*co*-dimethylsiloxane)s Obtained by Cationic Copolymerization, 826C
—; Pernin, S.; Hélary, G.; Sauvet, G.: Functional Polysiloxanes. II. Neighboring Effect in the Hydrosilylation of Poly(hydrogenmethylsiloxane-*co*-dimethylsiloxane)s by Allylglycidylether, 837C
Cano, J. See Barral, L., 351P
Cao, W. See Zhang, Y., 2566C

Capek, I.
—; Lin, S.-Y.; Hsu, T.-J.; Chern, C.-S.: Effect of Temperature on Styrene Emulsion Polymerization in the Presence of Sodium Dodecyl Sulfate. II, 1477C
—; See Nguyen, S. H., 2284C
Caporiccio, G. See Andre, S., 2993C
Cardaci, M. A. See Po, R., 3004C
Carianni, G. See Scaffaro, R., 1795C
Carreau, P. J. See Mekhilef, N., 1359P
Carrillo, I. See Sánchez de la Blanca, E., 291C
Carter, A.
—; Morton, D. W.; Kiely, D. E.: Synthesis of Some Poly(4-alkyl-4-azaheptamethylene-D-glucaramides), 3892C
Casalini, R.
—; Ngai, K. L.; Robertson, C. G.; Roland, C. M.: α- and β-Relaxations in Neat and Antiplasticized Polybutadiene, 1841P
Castillo-Ortega, M. M. See Morales, J., 3247P
Cavaillé, J. Y. See Chazeau, L., 383P
Çaykara, T.
—; Özyürek, C.; Kantoğlu, Ö.; Güven, O.: Equilibrium Swelling Behavior of pH- and Temperature-Sensitive Poly(*N*-vinyl 2-pyrrolidone-*g*-citric acid) Polyelectrolyte Hydrogels, 2063P
—; See Özyürek, C., 3309P
Cerrada, M. L.
—; Benavente, R.; Pérez, E.; Pereña, J. M.: The Effect of Residual Acetate Groups on the Structure and Properties of Vinyl Alcohol–Ethylene Copolymers, 573P
Chaffin, K. A.
—; Bates, F. S.; Brant, P.; Brown, G. M.: Semicrystalline Blends of Polyethylene and Isotactic Polypropylene: Improving Mechanical Performance by Enhancing the Interfacial Structure, 108P
Chafin, A. P. See Stenger-Smith, J. D., 2824C
Chai, Z.
—; Sun, X.; Xu, S.; Ye, M.: Pore Size in One-Step Swelling and Polymerization of Monodisperse Polymer Beads, 3270C
Chailan, J. F. See Bartolomeo, P., 2154P, 2162P
Chakrabarti, N. See Das, P., 3256P
Chakravorty, D. See Bhattacharyya, S., 1193P
Chan, A. S. C. See Liu, J., 1639C
Chan, C. Y. See Harrison, J. J., 152C
Chang, C.-C. See Wu, T.-M., 2515P
Chang, F.-C. See Chiou, K.-C., 23P; Huang, J.-M., 934P; Huang, W.-J., 2554P
Chang, F. T. See Soles, C. L., 776P
Chang, H.-S. See Hsu, S.-C., 3253C
Chang, I. Y. See Han, M. J., 423C
Chang, J.-H.
—; Park, K. M.; Lee, S.-M.; Oh, J. B.: Two-Step Thermal Conversion from Poly(amic acid) to Polybenzoxazole via Polyimide: Their Thermal and Mechanical Properties, 2537P
Chang, L.-M. See Hsiao, S.-H., 1599C
Chang, T. C.
—; Wang, Y. T.; Hong, Y. S.; Chiu, Y. S.: Organic–Inorganic Hybrid Materials. V. Dynamics and Degradation of Poly(methyl methacrylate) Silica Hybrids, 1972C
Chang, T.-C. See Sun, S.-J., 1852C
Chang, Y. See Chen, W.-C., 1764P
Chang, Z.
—; Laverne, J. A.: Hydrogen Production in γ-Ray and Helium-Ion Radiolysis of Polyethylene, Polypropylene, Poly(methyl-methacrylate), and Polystyrene, 1656C
Chapados, C. See Bernazzani, P., 1662P
Chaplin, R. P. See Yee, L. H., 2192C
Char, K. See Kim, W. K., 3042P
Charlet, G. See Kasaai, M. R., 2591P
Charleux, B. See Davis, K. A., 2274C
Chauhan, G. S.
—; Lal, H.; Mahajan, S.; Bansal, M.: Synthesis and Characterization of 4-Vinyl Pyridine-Grafted Teflon-PFA Film for Water Technologies, 4506C
Chazeau, L.
—; Cavaillé, J. Y.; Perez, J.: Plasticized PVC Reinforced with Cellulose Whiskers. II. Plastic Behavior, 383P
Cheah, K.
—; Forsyth, M.; Simon, G. P.: Processing and Morphological Development of Carbon Black Filled Conducting Blends Using a Binary Host of Poly(styrene co-acrylonitrile) and Poly(styrene), 3106P
Chekanov, Y. See Masere, J., 3984C
Chen, B.-Q.
—; Kameyama, A.; Nishikubo, T.: New Polymers with Mesogens in the Side Chain and Kinked Aromatic Structures in the Main Chain from the Polyaddition of Bis(epoxide)s and Di(ester)s, 988C
Chen, C.-T.
—; Hsu, T.-S.; Jeng, R.-J.; Yeh, H.-C.: Enhancing the Glass-Transition Temperature of Polyimide Copolymers Containing 2,2′-Bipyridine Units by the Coordination of Nickel Malenonitriledithiolate, 498C
Chen, D. See Xu, J., 127C
Chen, H. See Lim, M.-S., 1818C
Chen, J.-A. See Yang, C.-P., 1C
Chen, J.-J. See Liaw, D.-J., 797C
Chen, L. See Huang, L., 730C; Kiely, D. E., 594C
Chen, M.-Q.
—; Kishida, A.; Serizawa, T.; Akashi, M.: Nanosphere Formation in Copolymerization of Methyl Methacrylate with Poly(ethylene glycol) Macromonomers, 1811C
Chen, N. See Hong, L., 1530P
Chen, R.
—; Xie, M.; Wu, Q.; Lin, S.: High Molecular Weight Atactic Polypropene Synthesized with (η^5-pentamethylcyclopentadienyl)tribenzyl Titanium Activated with MAO, 411C
Chen, R.-S. See Yang, C.-P., 1C, 1090C, 2082C, 3954C
Chen, R. T. See Hanley, S. J., 599P
Chen, S. See Dan, Y., 1069P

Chen, S.-H. See Hsiao, S.-H., 1551C
Chen, T.-M. See Wang, Y.-F., 2032C
Chen, W. See Kwon, Y. K., 319P, 611P
Chen, W.-C.
—; Chang, Y.; Wei, M.-H.: Theoretical Analysis on the Preparation of Gradient-Index Polymeric Rods by a Centrifugal Field, 1764P
Chen, W.-Y.
—; Lin, Y.; Pramoda, K. P.; Ma, K. X.; Chung, T. S.: Surface Study of Ladderlike Polyepoxysiloxanes, 138P
—; See Chung, T. S., 1449P
Chen, X.
—; Ruckenstein, E.: Emulsion Procedures for Thermally Reversible Covalent Crosslinking of Polymers, 4373C
—; Ruckenstein, E.: Thermally Reversible Covalently Bonded Linear Polymers Prepared from a Dihalide Monomer and a Salt of Dicyclopentadiene Dicarboxylic Acid, 1662C
—; See Ruckenstein, E., 818C
Chen, Y.
—; Yamamura, T.; Igarashi, K.: Photosensitization of Carbazole Derivatives in Cationic Polymerization with a Novel Sensitivity to Near-UV Light, 90C
—; See Hwang, S.-W., 1311C
Chen, Y. Y.
—; Lodge, T. P.; Bates, F. S.: Entropically Driven Phase Separation of Highly Branched/Linear Polyolefin Blends, 2965P
Cheng, L.
—; Xia, X.; Yu, W.; Scriven, L. E.; Gerberich, W. W.: Flat-Punch Indentation of Viscoelastic Material, 10P
Cheng, L.-P.
—; Shaw, H.-Y.: Phase Behavior of a Water/2-Propanol/Poly(methyl methacrylate) Cosolvent System, 747P
Cheng, M. T. See Harrison, J. J., 152C
Cheng, R. See Yang, H., 1188P
Cheng, S.-X.
—; Chung, T.-S.: Configuration Effects of Ortho, Meta, and Para Linkages on Liquid Crystallinity during Thin-Film Polymerization of Poly(ester-amide)s, 2221P
—; See Chung, T.-S., 1257C
Cheng, S. Z. D. See Hu, T., 2077P
Cheng, Y.-C. See Liaw, D.-J., 4451C
Chen-Yang, Y. W.
—; Lee, H. F.; Yuan, C. Y.: A Flame-Retardant Phosphate and Cyclotriphosphazene-Containing Epoxy Resin: Synthesis and Properties, 972C
Chern, C.-S.
—; Sheu, J.-C.: Effects of 2-Hydroxyalkyl Methacrylates on the Styrene Miniemulsion Polymerizations Stabilized by SDS and Alkyl Methacrylates, 3188C
—; See Capek, I., 1477C
Cheung, Y. W.
—; Guest, M. J.: A Study of the Blending of Ethylene–Styrene Copolymers Differing in the Copolymer Styrene Content: Miscibility Considerations, 2976P
Chiang, W.-Y.
—; Hong, L.-D.: The Synthesis and Properties of Side-Chain Liquid-Crystal Polymers With A Chiral Center, 1609C
Chiantore, O. See Nguyen, S. H., 2284C
Chiellini, E. See Covolan, V. L., 2910C
Chien, L.-C. See Tong, T.-H., 1450C
Chin, W.-K.
—; Hsin, L.-P.; Lu, H.-L.; Shau, M.-D.: Morphology of Epoxy/Acrylic Polymer-Dispersed Liquid-Crystal Film in DICY Thermal Cure, 2033P
Chino, K.
—; Endo, T.: Polymerization of *o*-Quinodimethanes. IV. Radical Polymerization of 1-Cyano-*o*-quinodimethane in the Presence of TEMPO, 3434C
Chiou, K.-C.
—; Chang, F.-C.: Reactive Compatibilization of Polyamide-6 (PA 6)/Polybutylene Terephthalate (PBT) Blends by a Multifunctional Epoxy Resin, 23P
Chiu, W.-Y. See Hsu, S.-C., 3253C
Chiu, Y. S. See Chang, T. C., 1972C
Cho, C. S. See Jeon, S.-J., 2663C
Cho, S. M. See Jeong, H. M., 3009P; Kim, B. K., 2652P
Cho, T. J. See Han, M. J., 423C
Cho, W.-J. See Chung, I.-D., 4272C; Jung, E.-Y., 1247C
Cho, Y. See Guo, A., 3900C
Choi, J.-C. See Osakada, K., 1505C
Choi, J.-H.
—; Ryu, J.-H.; Kim, S. Y.: A Linear Viscoelastic Model of Matrix/Core–Shell Modifier Polymer Blends, 942P
Choi, U. S. See Ko, Y. G., 2815C
Choi, W. See Steblyanko, A., 2375C
Choi, W.-S.
—; Padias, A. B.; Hall, H. K., Jr.: LCP Aromatic Polyesters by Esterolysis Melt Polymerization, 3586C
Chon, Y.-S. See Kim, J.-Y., 2081P
Chou, K. F.
—; Han, C. C.; Lee, S.: Water Transport in 2-Hydroxyethyl Methacrylate Copolymer Irradiated by γ Rays in Air and Related Phenomena, 659P
Choudhary, D. See Gupta, S., 1589P
Chu, B. See Liu, L.-Z., 2296P
Chu, C.-C. See Zhang, Y., 2392C
Chu, K.-J.
—; Soares, J. B. P.; Penlidis, A.: Effect of Experimental Conditions on Ethylene Polymerization with *In-Situ*-Supported Metallocene Catalyst, 1803C
—; Soares, J. B. P.; Penlidis, A.: Polymerization Mechanism for *In Situ* Supported Metallocene Catalysts, 462C
Chu, P. P.-J. See Huang, W.-J., 2554P
Chuang, M.-H. See Hsiao, S.-H., 247C
Chun, Y. S.
—; Park, J.; Sun, J. B.; Kim, W. N.: Blends of Polycarbonate and Poly(ϵ-caprolactone) and the Determination of the Polymer–Polymer Interaction Parameter of the Two Polymers, 2072P
Chung, C.-Y. See Liaw, D.-J., 74C
Chung, H.
—; Lee, J.; Jang, W.; Shul, Y.; Han, H.: Stress Behaviors

and Thermal Properties of Polyimide Thin Films Depending on the Different Curing Process, 2879P
—; See Kim, I., 1687C
Chung, I.-D.
—; Jung, E.-Y.; Lee, Y.-W.; Kim, S.-H.; Ha, C.-S.; Cho, W.-J.: Syntheses, Antitumor Activities, and Antiangiogenesis of *exo*-3,6-Epoxy-1,2,3,6-tetrahydrophthalimidoethanoyl-5-fluorouracil and Its Polymers, 4272C
—; See Jung, E.-Y., 1247C
Chung, T. C. See Lu, B., 1337C
Chung, T.-S.
—; Chen, W.-Y.; Lin, Y.; Pramoda, K. P.: Surface Free Energy of Ladderlike Polyepoxysiloxane–Diamine Reaction Systems, 1449P
—; Cheng, S.-X.: Effect of Catalysts on Thin-Film Polymerization of Thermotropic Liquid Crystalline Copolyester, 1257C
—; See Chen, W.-Y., 138P; Cheng, S.-X., 2221P; Lin, W.-H., 765P, 2703P; Liu, S. L., 3018P
Ciardelli, F. See Busfield, W. K., 1714C
Clark, D. C.
—; Baker, W. E.; Russell, K. E.; Whitney, R. A.: Dual Monomer Grafting of Styrene and Maleic Anhydride onto Model Hydrocarbon Substrates, 2456C
Clément, R. See Jonquières, A., 614C
Cohen Addad, J. P. See Guillermo, A., 889P
Collar, E. P. See García-Martínez, J. M., 1564P
Collard, D. M. See Connor, D. M., 1291C; Vargas, M., 2167C
Colmenero, J. See Alegría, A., 2105P
Compañ, V. See Reis-Nunes, R. C., 393P
Composto, R. J. See Pellegrini, N. N., 1547P
Cong, R.
—; Bain, A. D.; Pelton, R.: An NMR Investigation of the Interaction of Polyethylene Oxide with Water-Soluble Poly(vinyl phenol-*co*-potassium styrene sulfonate), 1276P
Connor, D. M.
—; Kriegel, R. M.; Collard, D. M.; Liotta, C. L.; Schiraldi, D. A.: Pyrene and Anthracene Dicarboxylic Acids as Fluorescent Brightening Comonomers for Polyester, 1291C
Conway, H. D. See Lin, Y. Y., 2769P
Conway, S. E. See Dinoia, T. P., 2832P
Cook, W. D. See Roberts, K. N., 3136P
Coote, M. L. See Yee, L. H., 2192C
Coqueret, X. See Benmouna, F., 478P
Cortés, P. See Montserrat, S., 456P
Covas, J. A. See Machado, A. V., 3919C
Covolan, V. L.
—; Ruggeri, G.; Chiellini, E.: Synthesis and Characterization of Styrene/Boc-*p*-Amino Styrene Copolymers, 2910C
Cowans, B. A. See Lowman, A. M., 2823P
Creton, C.
—; Lakrout, H.: Micromechanics of Flat-Probe Adhesion Tests of Soft Viscoelastic Polymer Films, 965P
Crivello, J. V.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1715C
—; Kong, S.: Long-Wavelength-Absorbing Dialkylphenacylsulfonium Salt Photoinitiators: Synthesis and Photoinduced Cationic Polymerization, 1433C
—; Liu, S.: Photoinitiated Cationic Polymerization of Epoxy Alcohol Monomers, 389C
—; See Hua, Y., 3697C
Cruz, G. J. See Morales, J., 3247P
Cruz, V. See Muñoz-Escalona, A., 571C
Cuculo, J. A. See Wu, G., 1424P
Cuervo-Rodriguez, R. See Fernández-García, M., 60C
Cui, Y. See Wang, M., 474C
Cunningham, M. F.
—; Mahabadi, H. K.; Wright, H. M.: Supermicron Polymer Particles with Core-Shell Type Morphologies, 345C

Dai, L. See Gong, X., 2323P
Dalton, L. R. See Huang, D., 546C
Dan, Y.
—; Chen, S.; Zhang, Y.; Xiang, F.: Viscosity Enhancement of Complexed Solutions Formed Through the Complexation of Nonionic Water-Soluble Polymers with Chemically Complementary Structures in Aqueous Media, 1069P
Dang, T. D.
—; Mather, P. T.; Alexander, M. D. Jr.; Grayson, C. J.; Houtz, M. D.; Spry, R. J.; Arnold, F. E.: Synthesis and Characterization of Fluorinated Benzoxazole Polymers with High T_g and Low Dielectric Constant, 1991C
Danner, R. P. See Tihminlioglu, F., 1965P
Danner, R. P. See Tihminlioglu, F., 2429P
Darling, T. R.
—; Davis, T. P.; Fryd, M.; Gridnev, A. A.; Haddleton, D. M.; Ittel, S. D.; Matheson, R. R., Jr.; Moad, G.; Rizzardo, E.: Addendum: Living Polymerization: Rationale for Uniform Terminology, 1709C
—; Davis, T. P.; Fryd, M.; Gridnev, A. A.; Haddleton, D. M.; Ittel, S. D.; Matheson, R. R., Jr.; Moad, G.; Rizzardo, E.: Living Polymerization: Rationale for Uniform Terminology, 1706C
Das, P.
—; Chakrabarti, N.: Orientation of Semiflexible Biopolymers in a Magnetic Field, 3256P
Das, P. K.
—; Ruzmaikina, I.; Belfiore, L. A.: Poly(vinylamine) Complexes with f-Block Salts from the Lanthanide Series That Exhibit Significant Glass-Transition Temperature Enhancement, 1931P
Daudet, E. See Cancouët, P., 826C

Davankov, V. A.
—; Pastukhov, A. V.; Tsyurupa, M. P.: Unusual Mobility of Hypercrosslinked Polystyrene Networks: Swelling and Dilatometric Studies, 1553P
David, M. O. See Ruch, F., 3189P
Davidson, F. See Feiring, A. E., 3313C
Davies, G. R. See Al-Hussein, M., 755P
Davis, K. A.
—; Charleux, B.; Matyjaszewski, K.: Preparation of Block Copolymers of Polystyrene and Poly(*t*-butyl acrylate) of Various Molecular Weights and Architectures by Atom Transfer Radical Polymerization, 2274C
Davis, T. P. See Darling, T. R., 1706C, 1709C; Kowollik, C., 3303C; Muratore, L. M., 810C; Yee, L. H., 2192C
De Abajo, J. See Espeso, J. F., 1014C
De Albuquerque, J. E.
—; Melo, W. L. B.; Faria, R. M.: Photopyroelectric Spectroscopy of Polyaniline Films, 1294P
De A. Prado, L. A. S.
—; Radovanovic, E.; Pastore, H. O.; Yoshida, I. V. P.; Torriani, I. L.: Poly(phenylsilsesquioxane)s: Structural and Morphological Characterization, 1580C
De Brouwer, H.
—; Schellekens, M. A. J.; Klumperman, B.; Monteiro, M. J.; German, A. L.: Controlled Radical Copolymerization of Styrene and Maleic Anhydride and the Synthesis of Novel Polyolefin-Based Biock Copolymers by Reversible Addition–Fragmentation Chain-Transfer (RAFT) Polymerization, 3596C
—; See Monteiro, M. J., 3864C
De Hoffmann, E. See Vermylen, V., 416C
Deitcher, R. W. See Bodnár, I., 857P
De La Cal, J. C. See Mendoza, J., 4490C
De La Campa, J. G. See Espeso, J. F., 1014C
De la Fuente, J. L.
—; Madruga, E. L.: Homopolymerization of Methyl Methacrylate and Styrene: Determination of the Chain-Transfer Constant from the Mayo Equation and the Number Distribution for *n*-Dodecanethiol, 170C
Delair, T. See Lacroix-Desmazes, P., 3845C
de la Peña, J. L. See García, N., 3883C
de la Puente, E. See Tomba, J. P., 1013P
De Letter, J. A. See Marks, M. J., 560C
Deleuze, H.
—; Schultze, X.; Sherrington, D. C.: Synthesis of Porous Supports Containing *N*-(*p*-hydroxyphenyl)- or *N*-(3-4-dihydroxybenzyl) Maleimide-Anchored Titanates and Application as Catalysts for Transesterification and Epoxidation Reactions, 2879C
Delmas, G. See Bernazzani, P., 1662P
Del Val, J. J. See Elícegui, A., 234P
Del Valle, M. A.
—; Silva, E. T.; Diaz, F. R.; Bodini, M. E.; Gargallo, L.: Electropolymerization of 2,3-Diaminophenol, 1698C
Deming, T. J.
—; Highlight. Living Polymerization of α-Amino Acid-*N*-Carboxyanhydrides, 3011C
Denchev, Z.
—; Nogales, A.; Ezquerra, T. A.; Fernandes-Nascimento, J.; Baltà-Calleja, F. J.: On the Origin of the Multiple Melting Behavior in Poly(ethylene naphthalene-2,6-dicarboxylate): Microstructural Study as Revealed by Differential Scanning Calorimetry and X-ray Scattering, 1167P
Deng, C.-S.
—; Assender, H. E.; Dinelli, F.; Kolosov, O. V.; Briggs, G. A. D.; Miyamoto, T.; Tsukahara, Y.: Nucleation and Growth of Gas Barrier Aluminium Oxide on Surfaces of Poly(ethylene terephthalate) and Polypropylene: Effects of the Polymer Surface Properties, 3151P
De Pooter, M. See Bartelink, C. F., 2555C
Desai, A.
—; Atkinson, N.; Rivera, F.; Devonport, W.; Rees, I.; Branz, S. E.; Hawker, C. J.: Hybrid Dendritic—Linear Graft Copolymers: Steric Considerations in "Coupling to" Approach, 1033C
De Saja, J. A. See Almanza, O. A., 993P
Descamps, D. See Biltresse, S., 3510C
Desimone, J. M. See Royer, J. R., 3168P; Shiho, H., 1139C, 1146C, 3100C, 3783C
De Sousa, H. C.
—; Rebelo, L. P. N.: A Continuous Polydisperse Thermodynamic Algorithm for a Modified Flory–Huggins Model: The (polystyrene + nitroethane) Example, 632P
Desurmont, G.
—; Tanaka, M.; Li, Y.; Yasuda, H.; Tokimitsu, T.; Tone, S.; Yanagase, A.: New Approach to Block Copolymerization of Ethylene with Polar Monomers by the Unique Catalytic Function of Organolanthanide Complexes, 4095C
Detrembleur, C. See Mecerreyes, D., 870C
Devallencourt, C. See Marais, S., 1998P
Devaux, J. See Fallais, I., 1618C; Vermylen, V., 416C
Devonport, W. See Desai, A., 1033C
Dhamodharan, R. See Nasrullah, J. M., 453C; Samuel, J. D. J. S., 1179C
Díaz-Calleja, R.
—; Sanchis, M. J.; Saiz, E.; Martínez-Piña, F.; Miranda, R.; Gargallo, L.; Radic, D. Riande, E.: Dynamic Mechanical and Dielectric Relaxations of Poly(difluorobenzyl methacrylates), 2179P
Diaz, F. R. See Del Valle, M. A., 1698C
Dikshit, A. K. See Radhakrishnan, J., 2912P
Dillard, D. A. See Park, T., 3222P
Dimonie, V. L. See Erdem, B., 4419C, 4431C, 4441C
Dinelli, F. See Deng, C.-S., 3151P
Ding, L. See Qu, B., 999C

Ding, X. Z.
—; Fischer, A.; Brembilla, A.; Lochon, P.: Behavior of 3-Vinylpyridine in Nitroxide-Mediated Radical Polymerization: The Influence of Nitroxide Concentration, Solvent, and Temperature, 3067C
Dinoia, T. P.
—; Conway, S. E.; Lim, J. S.; McHugh, M. A.: Solubility of Vinylidene Fluoride Polymers in Supercritical CO_2 and Halogenated Solvents, 2832P
D'Iorio, M. See Lu, J., 2740C, 2887C
Dixon-Garrett, S. V.
—; Nagai, K.; Freeman, B. D.: Ethylbenzene Solubility, Diffusivity, and Permeability in Poly(dimethylsiloxane), 1461P
—; Nagai, K.; Freeman, B. D.: Sorption, Diffusion, and Permeation of Ethylbenzene in Poly(1-trimethylsilyl-1-propyne), 1078P
Djoković, V.
—; Kostoski, D.; Dramićanin, M. D.: Viscoelastic Behavior of Semicrystalline Polymers at Elevated Temperatures on the Basis of A Two-Process Model for Stress Relaxation, 3239P
Dlubek, G.
—; Börner, F.; Buchhold, R.; Sahre, K.; Krause-Rehberg, R.; Eichhorn, K.-J.: Damage-Depth Profiling of Ion-Irradiated Polyimide Films with a Variable-Energy Positron Beam, 3062P
Dodelet, J.-P. See Lu, J., 2740C, 2887C
Dole, C. See Jonquières, A., 614C
Domard, A. See Tual, C., 1521P
Domingues Dos Santos, F.
—; Fabre, P.; Drujon, X.; Meunier, G.; Leibler, L.: Films from Soft-Core/Hard-Shell Hydrophobic Latexes: Structure and Thermomechanical Properties, 2989P
Dong, C.-M.
—; Qiu, K.-Y.; Gu, Z.-W.; Feng, X.-D.: Synthesis of Poly(D,L-lactic acid-*alt*-glycolic acid) from D,L-3-Methylglycolide, 4179C
Dong, J.-H. See Qin, H.-H., 321C
Dong, L. See An, Y., 1860P
Dong, Y.
—; Yuan, Q.; Huang, Y.: Textures and Disclinations in the Cholesteric Liquid-Crystalline Phase of a Cyanoethyl Chitosan Solution, 980P
Dramićanin, M. D. See Djoković, V., 3239P
Drnoyan, V. See Xu, Z.-S., 2245C
Drohmann, C.
—; Möller, M.; Gorbatsevich, O. B.; Muzafarov, A. M.: Hyperbranched Polyalkenylsilanes by Hydrosilylation with Platinum Catalysts. I. Polymerization, 741C
Drujon, X. See Domingues Dos Santos, F., 2989P
Du, F.-S.
—; Li, Z.-C.; Hong, W.; Gao, Q.-Y.; Li, F.-M.: Vinyl Monomers Bearing Chromophore Moieties and Their Polymers. XI. Synthesis and Photochemical Behavior of Carbazole-Containing Methacrylic Monomers and Their Polymers, 679C
Dubois, P. See Maertens, C., 205P
Duda, J. L. See Tihminlioglu, F., 2429P
Duever, T. A. See Landry, R., 2319C
Dunson, D. See Farr, I. V., 2840C
Duracher, D. See Guillermo, A., 889P
Durning, C. J. See Ponomarev, A. L., 1146P

Ediger, M. D. See Hwang, Y., 68P; Qiu, X., 2634P; Wang, C.-Y., 2232P
Edlund, U.
—; Albertsson, A.-C.: Morphology Engineering of a Novel Poly(L-lactide)/Poly(1,5-dioxepan-2-one) Microsphere System For Controlled Drug Delivery, 786C
Eguiazábal, J. I. See Guerrica-Echevarría, G., 1090P
Ehrenstein, G. W. See Trifonova-Van Haeringen, D., 672P
Eichhorn, K.-J. See Dlubek, G., 3062P
Eilerts, N. W. See Jurkiewicz, A., 1210C
Eilertsen, J. L. See Ystenes, M., 3106C, 3450C
El-Aasser, M. S. See Erdem, B., 4419C, 4431C, 4441C
Elaissari, A. See Guillermo, A., 889P
Elícegui, A.
—; Alvarez, F.; Del Val, J. J.: Poly(vinyl chloride)-Based Miscible Blends: Changes Induced in the Structural Characteristics and in Dielectric α Relaxation of Pure Poly(vinyl chloride), 234P
Emmick, T. K. See Sheares, V. V., 4070C
Encinas, M. V.
—; Rufs, A. M.; Norambuena, E.; Giannotti, C.: Polymerization of Vinyl Monomers Photoinitiated by *p*-Nitroaniline: Photoinitiation Mechanism, 2269C
Endo, K. See Arakawa, R., 4403C; Senoo, K., 1241C
Endo, T.
—; Ohshima, A.; Nomura, R.; Mizutani, Y.: Synthesis of Networked Polystyrene Endowed with Nucleophilic Reaction Sites by the Living Anionic Polymerization Technique, 2543C
—; Tomita, I.: Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1716C
—; See Chino, K., 3434C; Gao, X., 2536C; Iwamura, T., 430C, 3440C; Kirino, M., 3428C; Kishi, K., 35C, 804C; Liu, T., 504C; Miyagawa, T., 1861C; Moriya, O., 3729C; Nishida, H., 68C, 1560C; Sanda, F., 4057C; Shimomura, O., 18C; Steblyanko, A., 2375C; Sudo, A., 1073C, 4200C; Yamamoto, S.-I., 2075C
Epperson, J. D. See Strumia, M. C., 2779C
Erdem, B.
—; Sudol, E. D.; Dimonie, V. L.; El-Aasser, M. S.: Encapsulation of Inorganic Particles via Miniemulsion Polymerization. I. Dispersion of Titanium Dioxide Particles in Organic Media Using OLOA 370 as Stabilizer, 4419C

—; Sudol, E. D.; Dimonie, V. L.; El-Aasser, M. S.: Encapsulation of Inorganic Particles via Miniemulsion Polymerization. II. Preparation and Characterization of Styrene Miniemulsion Droplets Containing TiO_2 Particles, 4431C
—; Sudol, E. D.; Dimonie, V. L.; El-Aasser, M. S.: Encapsulation of Inorganic Particles via Miniemulsion Polymerization. III. Characterization of Encapsulation, 4441C
Erdoğan, M.
—; Pekcan, Ö.: Modeling of Swelling by the Fast Transient Fluorescence Technique in a Polymeric Gel, 739P
Escoubes, M. See Tual, C., 1521P
Espeso, J. F.
—; De La Campa, J. G.; Lozano, A. E.; De Abajo, J.: Synthesis and Characterization of New Soluble Aromatic Polyamides Based on 4-(1-Adamantyl)-1, 3-bis(4-aminophenoxy)-benzene, 1014C
Espuche, E. See Tual, C., 1521P
Eteläniemi, V. See Torkkeli, M., 1734P
Evmenenko, G.
—; Theunissen, E.; Reynaers, H.: Structural Investigations of Carrageenan–Surfactant Systems by Synchrotron X-Ray Scattering, 2851P
Ezquerra, T. A. See Denchev, Z., 1167P

Fabre, P. See Domingues Dos Santos, F., 2989P
Fainleib, A. M. See Georgoussis, G., 3070P
Fallais, I.
—; Devaux, J.; Jérôme, R.: End-Capping of Polystyrene by Aliphatic Primary Amine by Derivatization of Precursor Hydroxyl End Group, 1618C
Fan, W. See Li, L., 1612P
Fan, Z. See Xu, J., 127C
Fan, Z.-Q.
—; Yasin, T.; Feng, L.-X.: Copolymerization of Propylene with 1-Octene Catalyzed by *rac*-$Me_2Si(2,4,6\text{-}Me_3\text{-}Ind)_2ZrCl_2$/Methyl Aluminoxane, 4299C
Fang, J.
—; Tanaka, K.; Kita, H.; Okamoto, K.-I.: Synthesis of Thianthrene-5,5,10,10-Tetraoxide-Containing Polyimides via Yamazaki—Higashi Phosphorylation Method and Their Pervaporation Properties to Aromatic/Nonaromatic Hydrocarbon Mixtures, 895C
—; Tanaka, K.; Kita, H.; Okamoto, K.-I.; Ito, Y.: Positron Annihilation Properties of Copolyimides and Copolyamides with Microphase-Separated Structures, 1123P
Fang, J.-H. See Li, L., 1943C
Fang, X.
—; Hutcheon, R.; Scola, D. A.: A Study of the Kinetics of the Microwave Cure of a Phenylethynyl-Terminated Imide Model Compound and Imide Oligomer (PETI-5), 2526C
—; Hutcheon, R.; Scola, D. A.: Microwave Syntheses of Poly(ε-caprolactam-*co*-ε-caprolactone), 1379C
Fang, Y. See Wang, M., 474C
Faria, L. O.
—; Moreira, R. L.: Infrared Spectroscopic Investigation of Chain Conformations and Interactions in P(VDF-TrFE)/PMMA Blends, 34P
Faria, R. M. See De Albuquerque, J. E., 1294P
Farr, I. V.
—; Kratzner, D.; Glass, T. E.; Dunson, D.; Ji, Q.; McGrath, J. E.: The Synthesis and Characterization of Polyimide Homopolymer Based on 5(6)-Amino-1-(4-aminophenyl)-1,3,3-trimethylindane, 2840C
Fauran, M. J. See Fois, M., 987P
Faust, R.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1717C
Favis, B. D. See Liang, H., 2096P; Mekhilef, N., 1359P
Feinerman, A. E.
—; Lipatov, Y. S.: Free Volume Distribution in Crosslinked Polyurethanes, 899P
Feiring, A. E.
—; Wonchoba, E. R.; Davidson, F.; Percec, V.; Barboiu, B.: Fluorocarbon-Ended Polymers: Metal Catalyzed Radical and Living Radical Polymerizations Initiated by Perfluoroalkylsulfonyl Halides, 3313C
Feist, W. See Szafko, J., 2156C
Feng, J. See Odrobina, E., 3933C
Feng, L. See Xu, J., 127C
Feng, L.-X. See Fan, Z.-Q., 4299C
Feng, X.-D. See Dong, C.-M., 4179C
Feng, Z. See An, Y., 1860P
Fenyvesi, Gy. See Keszler, B., 706C
Fernandes-Nascimento, J. See Denchev, Z., 1167P
Fernández-García, M.
—; Fernández-Sanz, M.; Madruga, E. L.; Cuervo-Rodriguez, R.; Hernández-Gordo, V.; Fernández-Monreal, M. C.: Solvent Effects on the Free-Radical Copolymerization of Styrene with Butyl Acrylate. I. Monomer Reactivity Ratios, 60C
Fernández-Monreal, M. C. See Fernández-García, M., 60C
Fernández-Sanz, M. See Fernández-García, M., 60C
Fischer, A. See Ding, X. Z., 3067C
Fischer, E. See Beginn, U., 2041C
Fischer, H.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1718C
Fitz, B. D. See Andjelić, S., 2436P
Fleischer, G. See Konak, C., 1312P
Fois, M.
—; Lamure, A.; Fauran, M. J.; Lacabanne, C.: TSC Study of the Dielectric Relaxations of Human-Bone Collagen, 987P
Forcada, J. See Miraballes-Martínez, I., 4230C
Ford, W. T. See Pan, Y., 1533C
Forsyth, M.
—; Sun, J.; Macfarlane, D. R.; Hill, A. J.: Compositional Dependence of Free Volume in PAN/$LiCF_3SO_3$ Polymer-in-Salt Electrolytes and the Effect on Ionic Conductivity, 341P
—; See Cheah, K., 3106P

Fortenberry, D. I.
—; Pojman, J. A.: Solvent-Free Synthesis of Polyacrylamide by Frontal Polymerization, 1129C
Fouassier, J. P. See Lemee, V., 1785C
Fraser, R. See Singh, M. A., 2457P
Frazier, C. E. See Sealey, J. E., 486P
Fréchet, J. M. J. See Gong, C., 2970C; Jančo, M., 2767C; Roscoe, S. B., 2979C
Freeman, B. D. See Bondar, V. I., 2051P; Dixon-Garrett, S. V., 1078P, 1461P; Higuchi, A., 1749P; Merkel, T. C., 273P, 415P; Nagai, K., 1222P, 1474P
Freitag, R. See Garret-Flaudy, F., 4218C
Frenkel, S. See Nikolaeva, O., 1323P
Friedel, P.
—; Pospiech, D.; Jehnichen, D.; Bergmann, J.; Ober, C. K.: Polyesters with Semi-fluorinated Side Chains: A Proposal for the Solid-State Structure, 1617P
Friedlander, S. K.
—; Ogawa, K.; Ullmann, M.: Elastic Behavior of Nanoparticle Chain Aggregates: A Hypothesis for Polymer–Filler Behavior, 2658P
Friedrich, C. See Kricheldorf, H. R., 2013C
Froehling, P. See Bauer, B. J., 95P
Fryd, M. See Darling, T. R., 1706C, 1709C
Fu, S. See Li, L., 4519C
Fu, S. C.
—; Hsieh, K. H.: The Kinetics of a Negative-Tone Acrylic Photoresist for 193-nm Lithography, 954C
Fu, X. See Wang, M., 474C
Fujimoto, J. See Oku, H., 2671C, 4524C
Fujita, A. See Saito, R., 2091C
Fujiwara, M. See Kawaguchi, A., 838P
Fujiwara, T.
—; Kimura, Y.; Teraoka, I.: Tailoring of Block Copolymers Based on the Stoichiometric Control of the End-Functionality of Telechelic Oligomers and the Utilization of Large-Scale Fractionation by Phase Fluctuation Chromatography: A Synthetic Strategy for the Preparation of End-Functionalized Poly(L-lactide)-*block*-poly(oxyethylene), 2405C
Fukuda, T.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1719C
—; See Okamura, H., 3578C
Fukui, K.
—; Sumpter, B. G.; Noid, D. W.; Yang, C.; Tuzun, R. E.: Spectra Analysis for Macromolecular Systems: Chain-Length Effects in Polymer Particles, 1812P
Fukui, T. See Seno, M., 4264C
Fukuo, T. See Arakawa, R., 4403C
Fukuoka, T. See Mochizuki, A., 329C
Fukushima, Y.
—; Synthesis and Characterization of Polyamides Containing an Ethidium Bromide Unit in the Main Chain, 123C
Fun, X. See Yang, M., 3405C
Furusaki, S. See Yoshida, M., 689C
Furuzono, T. See Uchida, T., 3052C

Gal, Y.-S. See Jeon, S.-J., 2663C; Lee, J.-H., 4185C
Galland, G. B. See Pérez, E., 1440P
Gallardo, A. See Abraham, G. A., 1355C
Gancheva, V. See Petrov, P., 4154C
Gao, Q.-Y. See Du, F.-S., 679C
Gao, X.
—; Jin, M.; Bu, H.: Rapid Communication. Crystallization of Poly(ethylene 2,6-naphthalate) Containing Additives, 3285P
—; Sudo, A.; Endo, T.: Development of Functional Polymers with Cyclic Ether Moieties. I. Synthesis and Properties of Polyesters with Dioxane Moiety in the Main Chain, 2536C
García, F. See García, N., 3883C
García-Martínez, J. M.
—; Laguna, O.; Areso, S.; Collar, E. P.: A Thermal and Mechanical Study Under Dynamical Conditions of Polypropylene/Mica Composites Containing Atactic Polypropylene with Succinil-Fluoresceine Grafted Groups as Interfacial Modifier from the Matrix Side, 1564P
García, N.
—; Guzmán, J.; Riande, E.; García, F.; de la Peña, J. L.; Calle, P.; Jimeno, M. L.: Influence of the Stereochemical Configuration on the Radical Polymerization of Methacrylic Monomers: *cis*- and *trans*-(2-Cyclohexyl-1,3-dioxan-5-yl) Methacrylates, 3883C
Gargallo, L. See Del Valle, M. A., 1698C; Díaz-Calleja, R., 2179P
Garret-Flaudy, F.
—; Freitag, R.: Influence of Small Uncharged but Amphiphilic Molecules on the Lower Critical Solution Temperature of Highly Homogeneous *N*-Alkylacrylamide Oligomers, 4218C
Gauthier, M. See Li, J., 3711C
Gay, Y. J. See Royer, J. R., 3168P
Gaynor, S. G. See Matyjaszewski, K., 2023C
George, J.
—; Ramamurthy, K.; Varughese, K. T.; Thomas, S.: Melt Rheology and Morphology of Thermoplastic Elastomers from Polyethylene/Nitrile-Rubber Blends: The Effect of Blend Ratio, Reactive Compatibilization, and Dynamic Vulcanization, 1104P
George, S. C.
—; Groeninckx, G.; Ninan, K. N.; Thomas, S.: Molecular Transport of Aromatic Hydrocarbons through Nylon-6/Ethylene Propylene Rubber Blends: Relationship Between Phase Morphology and Transport Characteristics, 2136P
Georgoussis, G.
—; Kyritsis, A.; Bershtein, V. A.; Fainleib, A. M.; Pissis, P.: Dielectric Studies of Chain Dynamics in Homogeneous

Semi-Interpenetrating Polymer Networks, 3070P
Gerard, J. F. See Barbeau, Ph., 2750P
Gerberich, W. W. See Cheng, L., 10P
Gerken, A. See Kricheldorf, H. R., 2013C
German, A. L. See De Brouwer, H., 3596C
Ghi, P.
—; Hill, D. J. T.; Whittaker, A. K.: Water Sorption by Poly(tetrahydrofurfuryl methacrylate-*co*-2-hydroxyethyl methacrylate). I. A Mass-Uptake Study, 1939P
Giannelis, E. P. See Burnside, S. D., 1595P
Giannotti, C. See Encinas, M. V., 2269C
Giardina, G.
—; Rosi, P.; Ricci, A.; Lo Sterzo, C.: An Efficient *One-Pot* Access to Poly(arylene ethynylene) Homopolymers: Use of the Bu_3Sn—Moiety as a Recyclable Carrier to Introduce the Ethynyl Unit into the Chain, 2603C
Gidley, D. W. See Soles, C. L., 776P
Gitsov, I.
—; Lambrych, K. R.; Remnant, V. A.; Pracitto, R.: Micelles with Highly Branched Nanoporous Interior: Solution Properties and Binding Capabilities of Amphiphilic Copolymers with Linear Dendritic Architecture, 2711C
Glasser, W. See Sachinvala, N. D., 1889C
Glasser, W. G. See Sealey, J. E., 486P
Glass, T. E. See Farr, I. V., 2840C
Glotin, M. See Barrière, B., 3201P
Gnanarajan, T. P.
—; Nasar, A. S.; Iyer, N. P.; Radhakrishnan, G.: Synthesis of Poly(urethane-imide) Using Aromatic Secondary Amine-Blocked Polyurethane Prepolymer, 4032C
Goderis, B.
—; Peeters, M.; Mathot, V. B. F.; Koch, M. H. J.; Bras, W.; Ryan, A. J.; Reynaers, H.: Morphology of Homogeneous Copolymers of Ethylene and 1-Octene. III. Structural Changes during Heating as Revealed by Time-Resolved SAXS and WAXD, 1975P
Goh, C. See Turner, H. W., 1750C
Goh, S. H. See Liu, Y., 501P
Goitiandia, L. See Alegría, A., 2105P
Gong, C.
—; Fréchet, J. M. J.: End Functionalization of Hyperbranched Poly(siloxysilane): Novel Crosslinking Agents and Hyperbranched–Linear Star Block Copolymers, 2970C
—; See Roscoe, S. B., 2979C
Gong, X.
—; Dai, L.; Griesser, H. J.; Mau, A. W. H.: Surface Immobilization of Poly(ethylene oxide): Structure and Properties, 2323P
González-Tejera, M. J. See Sánchez de la Blanca, E., 291C
Gorbatsevich, O. B. See Drohmann, C., 741C
Goswami, A. See Panda, A., 3462C
Goto, M. See Yoshida, M., 689C
Göttgens, C. M. See Monteiro, M. J., 4206C
Gouin, E. See Tcharkhtchi, A., 537P
Granger, R. See Scaffaro, R., 1795C
Gratz, R. F. See Stenger-Smith, J. D., 2824C
Grayson, C. J. See Dang, T. D., 1991C
Gridnev, A.
—; The 25th Anniversary of Catalytic Chain Transfer, 1753C
Gridnev, A. A.
—; Simonsick, W. J., Jr.; Ittel, S. D.: Synthesis of Telechelic Polymers Initiated With Selected Functional Groups by Catalytic Chain Transfer, 1911C
—; See Darling, T. R., 1706C, 1709C
Griesser, H. J. See Gong, X., 2323P
Grigoras, C. See Percec, V., 4353C
Groeninckx, G. See George, S. C., 2136P; Oommen, Z., 525P; Varkey, J. T., 2189P
Grünbauer, H. J. M. See Bartelink, C. F., 2555C
Gu, Z.-W. See Dong, C.-M., 4179C
Guan, Y.
—; Zhang, W.; Wan, G.; Peng, Y.: Polytetrahydrofuran Amphiphilic Networks. I. Synthesis and Characterization of Polytetrahydrofuran Acrylate Ditelechelic and Polyacrylamide-*l*-Polytetrahydrofuran Networks, 3812C
Guenthner, A. J.
—; Kyu, T.: Excluded Volume Theory of Rigid Plates in Solution Using Continuous Orientation Distributions, 2366P
Guerrica-Echevarría, G.
—; Eguiazábal, J. I.; Nazábal, J.: Solvent Sorption Effects on the Structure and Properties of PP/Rodrun Blends, 1090P
Guest, M. J. See Cheung, Y. W., 2976P
Guida-Pietrasanta, F. See Andre, S., 2993C; Boutevin, B., 3722C
Guillermo, A.
—; Cohen Addad, J. P.; Bazile, J. P.; Duracher, D.; Elaissari, A.; Pichot, C.: NMR Investigations into Heterogeneous Structures of Thermosensitive Microgel Particles, 889P
Guillet, J. See Scaffaro, R., 1795C
Güner, A. See Medyakova, L. V., 2652C
Guo, A.
—; Cho, Y.; Petrović, Z. S.: Structure and Properties of Halogenated and Nonhalogenated Soy-Based Polyols, 3900C
—; See Petrović, Z. S., 4062C
Guo, D.
—; Yang, X.; Yang, L.; Li, Y.; Liu, T.; Hong, H.; Hu, Y.: Molecular Modeling on the Prediction of Silolene-Bridged Indenyl Metallocene Catalysts for Isotactic Polypropylene, 2232C
Guo, H. See Besold, G., 1053P
Guo, Y. See Takeichi, T., 4165C
Gupta, S.
—; Choudhary, D.; Sarma, A.: Study of Carbonaceous Clusters in Irradiated

Polycarbonate with UV–vis Spectroscopy, 1589P
Güven, O. See Çaykara, T., 2063P; Özyürek, C., 3309P
Guzmán, J. See García, N., 3883C

Ha, C.-S. See Chung, I.-D., 4272C; Jung, E.-Y., 1247C
Ha, W. S. See Youk, J. H., 1868P
Habaue, S.
—; Ajiro, H.; Okamoto, Y.: Anionic Polymerization of *o*-Substituted Styrene Derivatives: Control of Reactivity and Stereochemistry by Aminomethyl Group, 4088C
Habenschuss, A. See Kim, M.-H., 2480P
Haddleton, D. M. See Bon, S. A. F., 2678C; Darling, T. R., 1706C, 1709C
Hadjichristidis, N.
—; Iatrou, H.; Pispas, S.; Pitsikalis, M.: Highlight. Anionic Polymerization: High Vacuum Techniques, 3211C
—; See Paraskeva, S., 931C; Pispas, S., 3791C; Velis, G., 1136C
Hagen, S. See Nyhus, A. K., 1366C
Hagihara, H. See Jin, J., 3355C
Haijun, W. See Qi, C., 435P
Hajipour, A.-R. See Mallakpour, S. E., 1154C
Hakala, K.
—; Helaja, T.; Löfgren, B.: Metallocene/Methylaluminoxane-Catalyzed Copolymerizations of Oxygen-Functionalized Long-Chain Olefins with Ethylene, 1966C
Halabi, A. See Strumia, M. C., 2779C
Hall, H. K., Jr. See Choi, W.-S., 3586C; Parker, D. D., 1866C
Hamada, F. See Suzuki, H., 108C
Hamashima, N. See Tobita, H., 2009P
Hamed, O. A. See Sachinvala, N. D., 1889C
Hammouda, B. See Lefebvre, A. A., 1926P
Han, C. C. See Chou, K. F., 659P
Han, H. See Chung, H., 2879P; Seo, J., 2714P
Han, M.
—; Bie, H.; Nikles, D. E.; Warren, G. W.: Amine–Quinone Polyimide: A New High-Temperature Polymer and Its Use to Protect Iron Against Corrosion, 2893C
—; Nikles, D. E.: Amine–Quinone Polyurethanes Containing *N*-Alkylated Amine–Quinone Monomers, 3284C
Han, M. J.
—; Cho, T. J.; Kim, K. H.; Yoo, K. S.; Park, Y. D.; Chang, I. Y.: Depyrimidination of Synthetic Poly(uridylic acid) Analogue, 423C
Han, Y. S. See Park, L. S., 3173C
Hanamura, R. See Sugiyama, K., 3369C
Handa, Y. P.
—; Zhang, Z.: A New Technique for Measuring Retrograde Vitrification in Polymer–Gas Systems and for Making Ultramicrocellular Foams from the Retrograde Phase, 716P
—; See Singh, M. A., 2457P
Hanley, S. J.
—; Nesheiwat, A. M.; Chen, R. T.; Jamieson, M.; Pearson, R. A.; Sperling, L. H.: Phase Separation in Semicrystalline Blends of Poly(phenylene sulfide) and Poly(ethylene terephthalate). II. Effect of Poly(phenylene sulfide) Homopolymer Solubilization of PPS-*graft*-PET Copolymer on Morphology and Crystallization Behavior, 599P
Hara, M. See Tsou, L., 1369P, 1377P
Harris, F. W. See Hu, T., 2077P; Pae, Y., 4247C
Harrison, J. J.
—; Onopchenko, A.; Cheng, M. T.; Chan, C. Y.: Vinyl Ether End-Groups in Poly(ethylene glycol)s from the Na_2CO_3-Promoted Degradation of 1,3-Dioxolan-2-one Polymers, 152C
Harwood, H. J.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1720C
—; Copolymerization at High Conversion When the Concentration of One Monomer Does Not Change, 1118C
Hasegawa, K. See Kanbara, T., 28C, 4194C
Hashimoto, T.
—; Takahashi, T.; Kodaira, T.: Living Cationic Polymerization of Vinyl Ethers with Carboxylic Acid/Tin Tetrahalide Initiating Systems. III. Benzoic Acid and Related Weakly Acidic Carboxylic Acids for the Living Polymerization of Isobutyl Vinyl Ether, 781C
—; See Rahman, M. S., 4362C
Hatada, K.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1721C
—; See Jenkins, A. D., 4336C
Hatanaka, K. See Kim, K.-S., 1214C
Hatate, Y. See Yoshida, M., 689C
Hattori, H.
—; Uryu, T.: Synthesis and Properties of Photochromic Liquid-Crystalline Copolymers Containing Both Spironaphthoxazine and Cholesteryl Groups, 887C
Hattori, T. See Takagi, K., 4385C
Haufe, G. See Runge, M., 2004C
Haward, R. N.
—; The Tensile Deformation of Block Copolymers, 1101P
Hawker, C.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1723C
Hawker, C. J. See Desai, A., 1033C
Hay, A. S.
—; Higashimura, T.: Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1724C
—; See Hlil, A. R., 1318C; Lu, J., 2740C, 2887C
Hayakawa, T.
—; Morishita, T.; Okazaki, M.; Ueda, M.; Takeuchi, K.; Asai, M.: Chemoselective Synthesis of Polyamides Containing Hydroxyl and Amino Substituents by Direct Polycondensation, 3875C
Hayano, S. See Kubo, H., 2697C
Hayashi, H. See Ikeda, Y., 2247P
Hayashi, N. See Tsujita, Y., 1307P

He, Y.
—; Asakawa, N.; Inoue, Y.: Blends of Poly(3-hydroxybutyrate)/4,4′-thiodiphenol and Poly(3-hydroxybutyrate-*co*-3-hydroxyvalerate)/4,4′-thiodiphenol: Specific Interaction and Properties, 2891P
—; Asakawa, N.; Inoue, Y.: Studies on Poly(ε-caprolactone)/Thiodiphenol Blends: The Specific Interaction and the Thermal and Dynamic Mechanical Properties, 1848P
He, Z. See Higuchi, A., 1749P
Hedrick, J. L. See Mecerreyes, D., 870C; Möller, M., 2067C
Helaja, T. See Hakala, K., 1966C
Hélary, G. See Cancouët, P., 826C, 837C
Henzel, N. See Matlengiewicz, M., 2147C
Herman, W. N. See Stenger-Smith, J. D., 2824C
Hernández-Fuentes, I. See Sánchez de la Blanca, E., 291C
Hernández-Gordo, V. See Fernández-García, M., 60C
Herrera-Ordóñez, J.
—; Olayo, R.: On the Kinetics of Styrene Emulsion Polymerization Above CMC. I. A Mathematical Model, 2201C
—; Olayo, R.: On the Kinetics of Styrene Emulsion Polymerization Above CMC. II. Comparison with Experimental Results, 2219C
Heuberger, M. See Wendlandt, M., 831P
Hidalgo, M. See Sánchez, J. M., 269C
Hietala, S.
—; Maunu, S. L.; Sundholm, F.: Sorption and Diffusion of Methanol and Water in PVDF-*g*-PSSA and Nafion® 117 Polymer Electrolyte Membranes, 3277P
Higashi, F.
—; Mitani, K.: Preparation of Copolyesters from Diols and Bisphenols by the Solution Polycondensation with TsCl/DMF/Py as a Condensing Agent, 1270C
Higashimura, T. See Hay, A. S., 1724C; Terada, Y., 229C
Higuchi, A.
—; Yoshida, T.; Imizu, T.; Mizoguchi, K.; He, Z.; Pinnau, I.; Nagai, K.; Freeman, B. D.: Gas Permeation of Fullerene-Dispersed Poly(1-trimethylsilyl-1-propyne) Membranes, 1749P
Higuchi, M.
—; Taguchi, K.; Wright, J. P.; Kinoshita, T.: Substrate-Induced Formation of a Recognition Structure in a Four-Polypeptide-Lipid Monolayer System, 2186C
Hill, A. J. See Forsyth, M., 341P; Nagai, K., 1222P
Hill, D. J. T. See Ghi, P., 1939P
Hill, M. J. See Jones, N. A., 1209P, 3302P
Hiller, M. See Yang, M., 3405C
Hiltner, A. See Qureshi, N., 1679P
Hinsberg, W. D. See Ito, H., 2415C
Hirano, S. See Minami, H., 4238C
Hirano, T.
—; Tateiwa, S.; Seno, M.; Sato, T.: Temperature Dependence of Stereospecificity in the Radical Polymerization of Di-*n*-butyl Itaconate in Bulk, 2487C
—; See Sato, T., 4137C; Seno, M., 4264C
Hiroki, A. See Oku, H., 2671C
Hitomi, M. See Sanda, F., 4057C
Hizal, G. See Tunca, U., 2300C
Hlil, A. R.
—; Meng, Y.; Hay, A. S.; Abu-Yousef, I. A.: Poly(arylene ether)s from New Biphenols Containing Imidoarylene and Dicyanoarylene Moieties, 1318C
—; See Lu, J., 2740C, 2887C
Ho, J.-C.
—; Wei, K.-H.: Ester–Amide Exchange in Blends of Liquid-Crystalline Copolyester and Polyamide 6, 2124P
Hobbs, J. K.
—; Binger, D. R.; Keller, A.; Barham, P. J.: Spiralling Optical Morphologies in Spherulites of Poly(hydroxybutyrate), 1575P
Höcker, H.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1725C
Hocking, M. B.
—; Klimchuk, K. A.; Lowen, S.: Water-Soluble Acrylamide Copolymers. VI. Preparation and Characterization of Poly *N,N*-dimethylacrylamide-*co*-acrylamide) and Control Polyacrylamides, 3128C
—; See Klimchuk, K. A., 3146C
Hodgson, M. See Monteiro, M. J., 3864C
Hogen-Esch, T. E.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1726C
Holerca, M. N. See Percec, V., 4353C
Holler, P. See Toman, L., 1568C
Hollins, R. A. See Stenger-Smith, J. D., 2824C
Holm, R. See Jančo, M., 2767C
Hong, H. See Guo, D., 2232C
Hong, J. L. See Lin, R. H., 726P
Hong, L.
—; Chen, N.: Proton-Conducting Polymer Membrane Based on Sulfonated Polystyrene Microspheres and an Amphiphilic Polymer Blend, 1530P
Hong, L.-D. See Chiang, W.-Y., 1609C
Hong, S. See Li, L., 1612P
Hong, S. I. See Kang, S. J., 775C, 936C
Hong, W. See Du, F.-S., 679C
Hong, Y. S. See Chang, T. C., 1972C
Hoogen, N.
—; Nuyken, O.: Synthesis and Photoreactions of Polyesters Containing Triazene and Cinnamylidene Malonyl Units, 1903C
Horák, D.
—; Boháček, J.; Šubrt, M.: Magnetic Poly(2-hydroxyethyl methacrylate-*co*-ethylene dimethacrylate) Microspheres by Dispersion Polymerization, 1161C
—; Kryštůfek, M.; Spěváček, J.: Effect of Reaction Parameters on the Dispersion Polymerization of 1-Vinyl-2-Pyrrolidone, 653C

—; Shapoval, P.: Reactive Poly(Glycidyl Methacrylate) Microspheres Prepared by Dispersion Polymerization, 3855C
Horie, K. See Ito, K., 922P; Uchida, Y., 2923P; Yoshii, K., 3098P
Horii, F. See Masuda, K., 1P
Hosier, I. L.
—; Vaughan, A. S.; Swingler, S. G.: On the Effects of Morphology and Molecular Composition on the Electrical Strength of Polyethylene Blends, 2309P
Houtz, M. D. See Dang, T. D., 1991C
Howell, B. A.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1727C
Hoye, T. R. See Moon, B., 2177C
Hrkach, J. S. See Kim, B. S., 1277C
Hsiao, B. S. See Samon, J. M., 1872P Hsiao, B. S. See Wang, Z.-G., 2580P
Hsiao, H.-C. See Hsiao, S.-H., 247C
Hsiao, S.-H.
—; Chang, L.-M.: Synthesis and Properties of Poly(imide-hydrazide)s and Poly(amide-imide-hydrazide)s from *N*-*p*-(or *m*-)Carboxyphenyl}-trimellitimide and Aromatic Dihydrazides or *p*-Aminobenzhydrazide via the Phosphorylation Reaction, 1599C
—; Yang, C.-P.; Chen, S.-H.: Synthesis and Properties of *Ortho*-Linked Aromatic Polyimides Based on 1,2-Bis(4-aminophenoxy)-4-*tert*-butylbenzene, 1551C
—; Yang, C.-P.; Chuang, M.-H.; Hsiao, H.-C.: Preparation and Characterization of Aromatic Polyamides Based on a Bis(ether-carboxylic acid) or a Dietheramine Extended from 1,1-Bis(4-hydroxyphenyl)-1-Phenylethane, 247C
Hsieh, E. T. See Jurkiewicz, A., 1210C
Hsieh, K. H. See Fu, S. C., 954C
Hsieh, T.-E. See Tyan, H.-L., 2873P
Hsin, L.-P. See Chin, W.-K., 2033P
Hsu, J.-J. See Liaw, D.-J., 4451C
Hsu, S.-C.
—; Chiu, W.-Y.; Lee, C.-F.; Chang, H.-S.: Composition Control of Copolymer in Semibatch Emulsion Copolymerization. II. MMA/Styrene/BMA Three-Component System, 3253C
Hsu, T.-J. See Capek, I., 1477C
Hsu, T.-S. See Chen, C.-T., 498C
Hu, C. P. See Wang, G. Y., 136C
Hu, D. See Wang, M., 474C
Hu, G.-H. See Pan, Y.-X., 1626P; Yu, Z.-Z., 2801P
Hu, H.-F.
—; Yao, K. L.: Effects of Electron–Electron Interaction on the Band Structure in Polydiacetylenes, 1656P
Hu, T.
—; Wang, C.; Li, F.; Harris, F. W.; Cheng, S. Z. D.; Wu, C.: Scalings of Fluorine-Containing Polyimides in Cyclopentanone, 2077P
Hu, Y.
—; Nikles, D. E.: Preparation of Sulfur-Quinone Polyurethanes and Their Use to Inhibit the Corrosion of Iron Particles, 3278C
—; See Guo, D., 2232C
Hua, C. C.
—; Kuo, H. Y.: Full-Chain Dynamics of Entangled Linear and Star Polymers, 248P
Hua, Y.
—; Crivello, J. V.: Synergistic Interaction of Epoxides and *N*-Vinylcarbazole during Photoinitiated Cationic Polymerization, 3697C
Huan, C. H. A. See Liu, Y., 501P
Huang, D.
—; Zhang, C.; Dalton, L. R.; Weber, W. P.: Synthesis and Characterization of Main-Chain NLO Oligomers and Polymer that Contain 4-Dialkylamino-4′-(alkylsulfonyl)azobenzene Chromophores, 546C
Huang, H. W. See Uchida, Y., 2923P
Huang, J. See Huang, X., 914C; Lin, Z., 2548C; Liu, J., 1639C; Shi, L., 2872C
Huang, J.-M.
—; Chang, F.-C.: Crystallization Kinetics of Poly(trimethylene terephthalate), 934P
Huang, L.
—; Shi, Y.; Chen, L.; Jin, X.; Liu, R.; Winnik, M. A.; Mitchell, D.: Thermal Decomposition of Amide and Imide Derivatives of Maleated Polyethylene, 730C
—; See Wan, X.-H., 1828C
Huang, M.-R. See Li, X.-G., 4407C
Huang, R. See Li, L., 1612P
Huang, W.-J.
—; Chang, F.-C.; Chu, P. P.-J.: Solid-State NMR Study of Cyclo-Olefin Copolymer (COC), 2554P
Huang, X.
—; Huang, Z.; Huang, J.: Copolymerization of Styrene and Vinyl Acetate by Successive Photoinduced Charge-Transfer Polymerization, 914C
Huang, Y. See Dong, Y., 980P; Zhu, F., 4258C
Huang, Z. See Huang, X., 914C; Lin, Z., 2548C
Hui, C. Y.
—; Lin, Y. Y.; Baney, J. M.: The Mechanics of Tack: Viscoelastic Contact on a Rough Surface, 1485P
—; See Lin, Y. Y., 2769P
Hung, K.-S. See Yang, C.-P., 3954C
Hutanu, R. See Singh, M. A., 2457P
Hutcheon, R. See Fang, X., 1379C, 2526C
Hutchinson, J. M. See Montserrat, S., 456P
Hwang, C. R. See McCormick, J. A., 2468P
Hwang, J. S. See Park, L. S., 3173C
Hwang, S.-H.
—; Jung, J.-C.: Post-Exposure Delay Stability for 193 nm Single-Layer Photoresist: Solvent Effect, 148P
Hwang, S.-W.
—; Chen, Y.: Synthesis and Solvatochromism of Soluble Polyethers Containing Isolated Emissive *p*-Aryl Vinylene Derivatives, 1311C
Hwang, Y.
—; Inoue, T.; Wagner, P. A.; Ediger, M. D.: Molecular Motion During Physical Aging in Polystyrene: Investigation Using Probe Reorientation, 68P

Hwu, J. M. See Jiang, G. J., 1184C

Iatrou, H. See Hadjichristidis, N., 3211C
Ichimura, A. See Saito, R., 2091C
Igarashi, K. See Chen, Y., 90C; Sudo, A., 4200C
Iguchi, R. See Kanekiyo, Y., 1302C
Ikeda, J.-I. See Matsumoto, A., 4396C
Ikeda, K. See Shimazu, A., 2525P
Ikeda, Y.
—; Inaki, M.; Kidera, A.; Hayashi, H.: Physically Crosslinked Elastomers Prepared from Oligomeric Polyolefins with Mesogenic Units, 2247P
Ikehara, T. See Ohishi, H., 127P
Ikezumi, T. See Seno, M., 2098C
Im, J. K.
—; Jung, J. C.: Synthesis and Property Comparison of Isomeric AB-Type Homo- and Copoly(etherimide)s, 402C
Imai, Y. See Kakimoto, M.-A., 3911C; Kumagai, Y., 1391C
Imamura, Y.
—; Yamaguchi, Y.; Tran-Cong, Q.: Polarized Light-Induced Photoisomerization in Glassy Poly(methyl methacrylate) and Local Relaxation Processes of the Polymer Matrix, 682P
Imizu, T. See Higuchi, A., 1749P
Inagaki, N. See Zhang, X., 654P
Inaki, M. See Ikeda, Y., 2247P
Indra, E. M. See Belfiore, L. A., 552P
Inomata, K.
—; Shimizu, H.; Nose, T.: Phase Equilibrium Studies on Rod/Solvent and Rod/Coil/Solvent Systems Containing Poly(α, L-glutamate) Having Oligo(ethylene glycol) Side Chains, 1331P
Inoue, H. See Shinoda, T., 2760C; Wang, Y.-F., 2032C
Inoue, S.
—; Highlight. Immortal Polymerization: The Outset, Development, and Application, 2861C
—; Jenkins, A. D.: Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1729C
Inoue, S.-I.
—; Magoshi, J.; Tanaka, T.; Magoshi, Y.; Becker, M.: Atomic Force Microscopy: *Bombyx mori* Silk Fibroin Molecules and Their Higher Order Structure, 1436P
—; See Asai, K., 715C
Inoue, T.
—; Onogi, T.; Osaki, K.: Dynamic Birefringence of Oligostyrene: A Symptom of "Polymeric" Mode, 954P
—; See Hwang, Y., 68P; Osaki, K., 1917P; 2043P, 3271P; Yamamoto, T., 1493C; Yu, W., 2378P, 2390P
Inoue, Y. See He, Y., 1848P, 2891P
Iribarren, J. I. See Regaño, C., 2687C
Ishida, H.
—; Sanders, D. P.: Improved Thermal and Mechanical Properties of Polybenzoxazines Based on Alkyl-Substituted Aromatic Amines, 3289P
—; See Macko, J. A., 2687P; Rimdusit, S., 1687P
Ishida, S. See Wu, C., 2285P
Ishida, S.-I. See Wu, C., 1341P, 1496P, 2943P
Ishihara, K. See Uchida, T., 3052C
Ishii, R. See Mitsuyama, M., 3419C
Ishimaru, T. See Kishi, K., 35C, 804C
Ishitobi, M. See Kitagawa, T., 1605P
Ishizu, K. See Saito, R., 2091C
Isobe, Y. See Oishi, T., 310C
Isomura, T. See Osaki, K., 1917P, 2043P
Ito, H.
—; Knebelkamp, A.; Lundmark, S. B.; Nguyen, C. V.; Hinsberg, W. D.: Silyl-Protected Hydroxystyrenes: Living Anionic Polymerization at Room Temperature and Selective Desilylation, 2415C
—; Miller, D.; Sveum, N.; Sherwood, M.: Investigation of the Radical Copolymerization and Terpolymerization of Maleic Anhydride and Norbornenes by an *in situ* ^{1}H NMR Analysis of Kinetics and by the Mercury Method: Evidence for the Lack of Charge-Transfer-Complex Propagation, 3521C
Ito, K.
—; Ujihira, Y.; Yamashita, T.; Horie, K.: Free-Volume Change During the Volume Phase Transition of Polyacrylamide Gel Studied by Positron Annihilation: Solvent-Composition Dependence, 922P
—; See Yoshino, M., 1707P
Ito, M. See Minegishi, S., 2254C; Sawai, D., 2571P
Ito, Y. See Fang, J., 1123P
Itoya, K. See Kumagai, Y., 1391C
Ittel, S. D. See Darling, T. R., 1706C, 1709C; Gridnev, A. A., 1911C
Ivin, K. J.
—; Thermodynamics of Addition Polymerization, 2137C
Iwamura, T.
—; Tomita, I.; Suzuki, M.; Endo, T.: Hydrogen-Transfer Polymerization Behavior of *N*-Acylacrylamide, 430C
—; Tomita, I.; Suzuki, M.; Endo, T.: Reaction of *p*-Toluenesulfonyl Isocyanate with Polymers Having Amide Moieties and Hydrolysis of the Obtained Polymers, 3440C
Iyer, N. P. See Gnanarajan, T. P., 4032C
Izawa, Y. See Nagai, K., 3412C
Izumi, A.
—; Teraguchi, M.; Nomura, R.; Masuda, T.: Synthesis of Conjugated Polymers with Azobenzene Moieties in the Main Chain, 1057C

Jacob, K. I. See Jenkins, S., 3053P
Jacques, P. See Lemee, V., 1785C
Jakubiak, J.
—; Nie, J.; Lindén, L.-Å.; Rabek, J. F.: Crosslinking Photocopolymerization of Acrylic Acid (and *N*-vinylpyrrolidone) with Triethyleneglycol Dimethacrylate Initiated by Camphorquinone/Ethyl-4-Dimethylaminobenzoate, 876C
Jamieson, D. See Puskas, J. E., 444C
Jamieson, M. See Hanley, S. J., 599P

Jančo, M.
—; Sýkora, D.; Svec, F.; Fréchet, J. M. J.; Schweer, J.; Holm, R.: Rapid Determination of Molecular Parameters of Synthetic Polymers by Precipitation/Redissolution High-Performance Liquid Chromatography Using "Molded" Monolithic Column, 2767C
Jang, S. S. See Youk, J. H., 590P
Jang, T.
—; Rasmussen, P. G.: Pendent Polymers of 1-Methyl-2-Oxo-4,5-Dicyanoimidazole and Their Electrochemical Properties, 3828C
Jang, W. See Chung, H., 2879P
Jayakannan, M.
—; Ramakrishnan, S.: Effect of Branching on the Thermal Properties of Novel Branched Poly(4-ethyleneoxy benzoate), 261C
—; Ramakrishnan, S.: Solution Cation-Binding Properties of Segmented Polyethylene Oxide–A ^{13}C NMR Spectroscopic Study, 2635C
Jędrzejewska, B. See Kabatc, J., 2365C
Jehnichen, D. See Friedel, P., 1617P; Schmack, G., 2841P
Jeng, R.-J. See Chen, C.-T., 498C
Jenkins, A. D.
—; Hatada, K.; Kitayama, T.; Nishiura, T.: Revised Patterns of Reactivity Scheme. VII. Revised Patterns Scheme and Its Relationship to Carbon-13 NMR Spectra, 4336C
—; See Inoue, S., 1729C
Jenkins, I. D. See Busfield, W. K., 1714C
Jenkins, R. D. See Tam, K. C., 2019P
Jenkins, S.
—; Jacob, K. I.; Kumar, S.: The Effect of Hydrogen Bonding on the Physical and Mechanical Properties of Rigid-Rod Polymers, 3053P
Jensen, R. E.
—; Johnson, C. E.; Ward, T. C.: Investigation of a Waterborne Epoxy for E-Glass Composites, 2351P
Jeon, J. See Seo, J., 2714P
Jeon, S.-J.
—; Shim, S. C.; Cho, C. S.; Kim, T.-J.; Gal, Y.-S.: Catalytic Cyclopolymerization and Copolymerization of 1,6-Heptadiynes by $Mo(CO)_6$, 2663C
Jeong, H. G. See Kwak, S.-Y., 1285P
Jeong, H. M.
—; Ahn, B. K.; Cho, S. M.; Kim, B. K.: Water Vapor Permeability of Shape Memory Polyurethane with Amorphous Reversible Phase, 3009P
—; See Kim, B. K., 2652P; Lee, S.-S., 803P
Jeong, K. See Kim, C., 2749C
Jeong, S. Y. See Kim, C., 2400P
Jerome, R.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1730C
—; See Fallais, I., 1618C; Maertens, C., 205P; Mecerreyes, D., 870C; Pagnoulle, C., 3682C
Jho, J. Y. See Lee, S.-S., 803P
Ji, Q. See Farr, I. V., 2840C; Wang, S., 2409P
Ji, T. See Li, Y., 189C
Jia, X. See Wang, J., 4147C
Jiang, G. J.
—; Hwu, J. M.: Polymerization of Methyl Methacrylate Using A Metallocene Catalyst System, 1184C
Jiang, X.
—; Xia, P.; Liu, W.; Yan, D.: Atom Transfer Radical Copolymerization of Styrene and *N*-Cyclohexylmaleimide, 1203C
Jimeno, M. L. See García, N., 3883C
Jin, H.-J.
—; Kim, D.-S.; Lee, B.-Y.; Kim, M.-N.; Lee, I.-M.; Lee, H.-S.; Yoon, J.-S.: Chain Extension and Biodegradation of Poly(butylene succinate) with Maleic Acid Units, 2240P
—; Lee, B.-Y.; Kim, M.-N.; Yoon, J.-S.: Thermal and Mechanical Properties of Mandelic Acid-Copolymerized Poly(butylene succinate) and Poly(ethylene adipate), 1504P
Jin, J.
—; Ahn, C.-H.; Sano, T.; Uozumi, T.; Murata, M.; Ozaki, H.; Hagihara, H.: Development of Novel $MgCl_2$ Supported Catalyst with Trivalent Titanocene Complex of $Cp_2TiCl_2AlCl_2$ for Propylene Polymerization, 3355C
—; See Uozumi, T., 1844C
Jin, M. See Gao, X., 3285P
Jin, S.-H. See Lee, J.-H., 4185C
Jin, X. See Huang, L., 730C
Jin, Z. See Li, X.-G., 4407C
Jirakanjana, D. See Sanda, F., 4057C
Jo, W. H.
—; Song, J.-M.; Ko, M. B.: Effect of the Reactivity of a Crosslinking Agent on the Microphase Separation in Sequential IPNs: A Monte Carlo Simulation Study, 1005P
—; See Youk, J. H., 590P, 1868P
Johari, G. P.
—; Wasylyshyn, D. A.: Conductivity, Proton Percolation, and Gelation During the Network Growth in a Flexible Chain Diepoxide and Diamine Mixture, 122P
Johnson, C. E. See Jensen, R. E., 2351P
Jokela, K. See Torkkeli, M., 1734P
Jones, N. A.
—; Atkins, E. D. T.; Hill, M. J.: Investigation of Solution-Grown, Chain-Folded Lamellar Crystals of the Even-Even Nylons: 6 6, 8 6, 8 8, 10 6, 10 8, 10 10, 12 6, 12 8, 12 10, and 12 12, 1209P
—; Sikorski, P.; Atkins, E. D. T.; Hill, M. J.: Discovery in Nylon-8 Chain-Folded Lamellar Crystals of New Structure—λ-Structure—with Progressive Intersheet Shear Along the Chain Axis, 3302P
Jonquières, A.
—; Dole, C.; Clément, R.; Lochon, P.: Synthesis and Characterization of New Highly Permeable Polyamideimides from Dianhydride Monomers Containing Amide Functions: An Application to the Purification of a Fuel Octane Enhancer (ETBE) by Pervaporation, 614C
Joosten, J. See Bauer, B. J., 95P
Jordan, K. J.
—; Suib, S. L.: Inclusion of the Effects of Polydispersity and Volatility on the Random Chain Scission Statistical Analysis for Polymer Degradation, 3690C

Juhanoja, J. See Walsby, N., 1512C
Jung, E.-Y.
—; Chung, I.-D.; Lee, N.-J.; Park, J.-S.; Ha, C.-S.; Cho, W.-J.: Syntheses, Antitumor Activities, and Antiangiogenesis of a Monomer and Its Medium Molecular Weight Polymers: Maleimidoethanoyl-5-fluorouracil and Its Polymers, 1247C
—; See Chung, I.-D., 4272C
Jung, I. See Kim, C., 2749C
Jung, J.-C. See Hwang, S.-H., 148P; Im, J. K., 402C
Jungnickel, B.-J. See Zheng, S., 1250P
Jurkiewicz, A.
—; Eilerts, N. W.; Hsieh, E. T.: The Effect of an Unsymmetric Branched Branch on the ^{13}C NMR Chemical Shifts of Main Chain Carbons in Polyethylene, 1210C

Kabatc, J.
—; Jędrzejewska, B.; Pączkowski, J.: Kinetic Study of Free-Radical Polymerization Photoinitiated by Cyanine-Borate Salts. II., 2365C
Kacker, S.
—; Sissano, J. A.; Schulz, D. N.: Synthesis and Properties of Copolymers of Ethylene/Carbon Monoxide with Styrene/Carbon Monoxide, 752C
Kaim, A.
—; Application of the Monomer Reactivity Ratios to the Kinetic-Model Discrimination and the Solvent-Effect Determination for the Styrene/Acrylonitrile Monomer System, 846C
Kaito, A.
—; Tanigaki, N.; Wada, M.; Yoshida, M.: Dynamic Mechanical Properties of Extruded Rods of Poly(dimethylsilylene-*co*-methyl-*n*-propylsilylene), 698P
—; See Radhakrishnan, J., 2912P
Kaji, H. See Masuda, K., 1P
Kajzar, F. See Vohra, V., 962C
Kakimoto, M.-A.
—; Yoneyama, M.; Imai, Y.: Synthesis and Properties of New Halogen-Substituted Polyamides from 5-Halo-*m*-phenylenediamines and Both Aliphatic and Aromatic Dicarboxylic Acids, 3911C
—; See Kumagai, Y., 1391C
Kakuchi, T. See Nakato, T., 117C
Kaliaguine, S. See Mikhailenko, S. D., 1386P
Kaliszewski, B. L. See So, Y.-H., 1283C
Kamachi, M.
—; Kazanskii, K. S.: Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1731C
Kamaruddin, H. D.
—; Koros, W. J.: Experimental Procedure Utilizing Extraction and Head-Space Analytical Method for Obtaining Methanol/MTBE Mixed-Liquid Sorption Isotherms in a Glassy Polymer, 2268P
—; Koros, W. J.: Sorption of Methanol/MTBE and Diffusion of Methanol in 6FDA–ODA Polyimide, 2254P
Kameyama, A. See Chen, B.-Q., 988C; Kimura, K., 3399C; Minegishi, S., 2254C; Nishikubo T., 3604C, 4006C
Kamigaito, M. See Katayama, H., 4023C; Satoh, K., 2728C
Kamijoh, T. See Yamamoto, T., 1642C
Kamiya, Y. See Wang, J.-S., 883P
Kanamoto, T. See Sawai, D., 2571P
Kanaoka, S. See Terada, Y., 229C
Kanbara, T.
—; Miyazaki, Y.; Hasegawa, K.; Yamamoto, T.: Rapid Communication: Preparation of *meta*-Polyaniline and Its Related Poly(iminoarylene)s by Nickel-Catalyzed Polycondensation of Aryl Dichlorides with Aryl Primary Diamines, 4194C
—; Yokokawa, Y.; Hasegawa, K.: Palladium-Catalyzed Modification of Poly(*p*-bromostyrene) with Carbazole and Related Heteroarenes Containing an N—H Bond and Their Properties, 28C
Kanekiyo, Y.
—; Sano, M.; Iguchi, R.; Shinkai, S.: Novel Nucleotide-Responsive Hydrogels Designed from Copolymers of Boronic Acid and Cationic Units and Their Applications as a QCM Resonator System to Nucleotide Sensing, 1302C
Kang, E. T. See Liu, Y. X., 80C; Yang, G. H., 3498C
Kang, S. See Kim, C., 724C
Kang, S. J.
—; Hong, S. I.; Park, C. R.: Preparation and Physical Properties of Poly(4,4′-diamino-3′-carbamoylbenzanilide terephthalamide) and Poly(4,4′-diamino-3′-carbamoylbenzanilide isophthalamide) Films, 775C
—; Hong, S. I.; Park, C. R.: Preparation and Properties of a New Aromatic Polyamide with an Ethoxycarbonyl Pendant Group: Poly(4,4′-diamino-2′-ethoxycarbonylbenzanilide terephthalamide), 936C
Kang, S. W. See Kim, C., 2400P
Kånge, R. See Möller, M., 2067C
Kantoğlu, Ö. See Çaykara, T., 2063P; Özyürek, C., 3309P
Kara, S. See Wang, J., 3742C
Karakişla, M.
—; Saçak, M.: The Preparation of Polyaniline/Polypyrrole Conductive Polymer Films on Polycarbonate-Coated Pt Electrodes, 51C
Kasaai, M. R.
—; Arul, J.; Charlet, G.: Intrinsic Viscosity—Molecular Weight Relationship for Chitosan, 2591P
Katakai, R. See Oku, H., 2671C, 4524C
Katayama, H.
—; Kitaguchi, H.; Kamigaito, M.; Sawamoto, M.: Matrix-Assisted Laser Desorption Ionization Time of Flight Mass Spectrometry Analysis of Living Cationic Polymerization of Vinyl Ethers. I. Optimization of Measurement Conditions for Poly(isobutyl vinyl ether), 4023C
Kato, T. See Ono, H., 1083C
Kawaguchi, A.
—; Murakami, S.; Fujiwara, M.; Nishikawa, Y.: Dynamical

Observation of Structural Transition of Polymers Using an X-ray Diffraction System with Imaging Plates. II. Crystalline Transition of Poly(butylene terephthalate), 838P

Kawasaki, N. See Maeda, Y., 4478C

Kazanskii, K. S. See Kamachi, M., 1731C

Kéki, S. See Borda, J., 2925C

Keller, A. See Hobbs, J. K., 1575P; Lieberwirth, I., 1183P

Kennedy, J. P.

—; Kim, Y. H.: Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1733C

—; See Keszler, B., 706C; Kurian, P., 3200C; Shim, J. S., 279C

Kerle, T. See Wendlandt, M., 831P

Keszler, B.

—; Fenyvesi, Gy.; Kennedy, J. P.: Novel Star-Block Polymers: Three Polyisobutylene-*b*-Poly(methyl methacrylate) Arms Radiating from an Aromatic Core, 706C

Khan, S. A. See McCormick, J. A., 2468P; Royer, J. R., 3168P

Khoee, S. See Mallakpour, S. E., 1154C

Khomko, E. See Mashlyakovskiy, L., 2579C

Khot, S. See Samon, J. M., 1872P Kiatkamjornwong, S. See Tawonsree, S., 4038C

Kibarer, G. See Medyakova, L. V., 2652C

Kidera, A. See Ikeda, Y., 2247P

Kiely, D. E.

—; Chen, L.; Lin, T.-H.: Synthetic Polyhydroxypolyamides from Galactaric, Xylaric, D-Glucaric, and D-Mannaric Acids and Alkylenediamine Monomers—Some Comparisons, 594C

—; See Carter, A., 3892C; Morton, D. W., 604C

Kim, B. K.

—; Shin, Y. J.; Cho, S. M.; Jeong, H. M.: Shape-Memory Behavior of Segmented Polyurethanes with an Amorphous Reversible Phase: The Effect of Block Length and Content, 2652P

—; See Jeong, H. M., 3009P; Kim, J. K., 707P

Kim, B. S.

—; Hrkach, J. S.; Langer, R.: Synthesis and Characterization of Novel Degradable Photocrosslinked Poly(ether-anhydride) Networks, 1277C

Kim, C.

—; Jeong, K.; Jung, I.: Progress Toward Limiting Generation of Dendritic Ethynylsilanes $(PhC{\equiv}C)_{4-n}Me_nSi$ (n = 0–2), 2749C

—; Kang, S.: Carbosilane Dendrimers Based on Siloxane Polymer, 724C

—; Lee, S. C.; Kang, S. W.; Kwon, I. C.; Jeong, S. Y.: Phase-Transition Characteristics of Amphiphilic Poly(2-ethyl-2-oxazoline)/Poly(ε-caprolactone) Block Copolymers in Aqueous Solutions, 2400P

—; Ryu, M.: Synthesis of Double-Layered Dendritic Carbosilanes Used on Allyloxy and Phenylethynyl Groups, 764C

Kim, C.-H. See Kim, J.-Y., 1903P

Kim, C. K. See Kim, J. H., 2666P; Kim, W. K., 3042P

Kim, D.-S. See Jin, H.-J., 2240P

Kim, I.

—; Shin, Y. S.; Lee, J. K.: Copolymerization of Propylene and 1,5-Hexadiene with Stereospecific Metallocene/Al(i-Bu)$_3$/ Ph_3C][$B(C_6F_5)_4$], 1590C

—; Shin, Y. S.; Lee, J. K.; Won, M.-S.: Cyclopolymerization of 1,5-Hexadiene Catalyzed by Various Stereospecific Metallocene Compounds, 1520C

—; Zhou, J.-M.; Chung, H.: Higher α-Olefin Polymerizations Catalyzed by *rac*-$Me_2Si(1\text{-}C_5H_2\text{-}2\text{-}CH_3\text{-}4\text{-}{}^t\text{Bu})_2$ $Zr(NMe_2)_2$/Al(iBu)$_3$/Ph_3C][$B(C_6F_5)_4$], 1687C

Kim, J. D.

—; Soares, J. B. P.: Copolymerization of Ethylene and α-Olefins with Combined Metallocene Catalysts. III. Production of Polyolefins with Controlled Microstructures, 1427C

—; Soares, J. B. P.: Copolymerization of Ethylene and α-Olefins with Combined Metallocene Catalysts. II. Mathematical Modeling of Polymerization with Single Metallocene Catalysts, 1417C

—; See Soares, J. B. P., 1408C, 1267P

Kim, J. H.

—; Park, D. S.; Kim, C. K.: Characterization of the Interaction Energies for Polystyrene Blends with Various Methacrylate Polymers, 2666P

—; See Kwak, S.-Y., 1285P

Kim, J. K.

—; Kim, B.-K.; Park, M.: Effect of the Liquid–Liquid Phase Separation on the Crystallization Behavior of a Poly(ethylene-*ran*-vinyl acetate) and Paraffin Wax Blend, 707P

Kim, J.-Y.

—; Chon, Y.-S.; Yoo, D.-J.; Suh, K.-D.: Microphase-Separated Structure of Telechelic Urethane Acrylate Anionomers and Their Network in Various Solvents, 2081P

—; Kim, C.-H.; Yoo, D.-J.; Suh, K.-D.: Hydrophobic and Hydrophilic Aggregation of Tailor-Made Urethane Acrylate Anionomers in Various Solvents and Their Network Structures, 1903P

Kim, K. H. See Han, M. J., 423C

Kim, K.-S.

—; Hatanaka, K.; Uryu, T.: Side-Chain Liquid Crystalline Polyacrylates Containing 3,4-Disubstituted Pyrrole Moiety, 1214C

Kim, M.-H.

—; Londono, J. D.; Habenschuss, A.: Structure of Molten Stereoregular Polyolefins with Different Side-Chain Sizes: Linear Polyethylene, Polypropylene, Poly(1-butene), and Poly(4-methyl-1-pentene), 2480P

—; Phillips, P. J.; Lin, J. S.: The Equilibrium Melting Points of Random Ethylene-Octene Copolymers: A Test of the Flory and Sanchez–Eby Theories, 154P

Kim, M.-N. See Jin, H.-J., 1504P, 2240P; Park, E.-S., 2239C

Kim, S. D. See Park, L. S., 3173C
Kim, S.-H. See Chung, I.-D., 4272C; Son, W.-K., 3181P
Kim, S. Y. See Choi, J.-H., 942P; Kwak, S.-Y., 1285P
Kim, T. I. See Son, W.-K., 3181P
Kim, T.-J. See Jeon, S.-J., 2663C; Park, S.-J., 2114P
Kim, W. See Lee, J.-H., 4185C; Park, S.-W., 3543C
Kim, W. K.
—; Char, K.; Kim, C. K.: Control of Droplet Size of Polymer-Diluent Blends through Thermally Induced Phase Separation, 3042P
Kim, W. N. See Chun, Y. S., 2072P
Kim, Y. H. See Bodnár, I., 857P, 874P; Kennedy, J. P., 1733C; Shin, D.-C., 3086C
Kimmich, R. See Beginn, U., 2041C
Kimura, H.
—; Erratum: A Simple Method for the Anionic Polymerization of α-Carbonyl Acids in Water, 664C
—; Erratum: Poly(ketamalonate) by Catalytic Oxidation of Glycerol (4) Anionic Polymerization, 664C
Kimura, K.
—; Sato, H.; Kameyama, A.; Nishikubo, T.: Synthesis of Polymers in Aqueous Solutions: Synthesis of Polysulfide by Reaction of Bis(4-mercaptophenyl) Sulfide with Bis(4-chloro-3-nitrophenyl) Sulfone Using Various Bases in Aqueous Solutions, 3399C
Kimura, Y. See Fujiwara, T., 2405C; Moon, S. I., 1673C
King, D. P. R.
—; Martínez D. Ilarduya, A.; Muñoz-Guerra, S.: Poly(ethylene terephthalate) Copolymers Containing 5-Nitroisophthalic Units. I. Synthesis and Characterization, 1934C
Kinoshita, T. See Higuchi, M., 2186C; Tsujita, Y., 1307P
Kint, D. P. R.
—; Martínez de Ilarduya, A.; Muñoz-Guerra, S.: Poly(ethylene terephthalate) Copolymers Containing Nitroterephthalic Units. I. Synthesis and Characterization, 3761C
Kirino, M.
—; Sanda, F.; Endo, T.: Structure–Initiator Activity Dependence of Aminimides as Thermally Latent Initiators in the Polymerization of Glycidyl Phenyl Ether, 3428C
Kishi, K.
—; Ishimaru, T.; Ozono, M.; Tomita, I.; Endo, T.: Development and Application of a Latent Hydrosilylation Catalyst. IX. Control of the Catalytic Activity of a Platinum Catalyst by Polymers Bearing Amine Moieties, 804C
—; Ishimaru, T.; Ozono, M.; Tomita, I.; Endo, T.: Development and Application of Latent Hydrosilylation Catalysts 2]—Control of Catalytic Activity of Platinum Catalyst by Polystyrene Derivatives Having Propargyl Moieties, 35C
Kishida, A. See Chen, M.-Q., 1811C
Kishimoto, S. See Ohishi, H., 127P
Kishore See Nanda, A. K., 3665C
Kisliuk, A.
—; Mathers, R. T.; Sokolov, A. P.: Crossover in Dynamics of Polymeric Liquids: Back to T_{11}? 2785P
Kita, H. See Fang, J., 895C, 1123P; Wang, H., 1800P, 2954P; Yoshino, M., 1707P
Kitagawa, T.
—; Ishitobi, M.; Yabuki, K.: An Analysis of Deformation Process on Poly-*p*-phenylenebenzobisoxazole Fiber and a Structural Study of the New High-Modulus Type PBO HM+ Fiber, 1605P
—; Yabuki, K.: An Investigation into the Relationship Between Internal Stress Distribution and a Change of Poly-*p*-phenylenebenzobisoxazole (PBO) Fiber Structure, 2901P
—; Yabuki, K.: A Relationship between the Stress Distribution and the Peak Profile Broadening of Meridional X-Ray Diffraction from Poly-*p*-phenylenebenzobisoxazole (PBO) Fiber, 2937P
Kitaguchi, H. See Katayama, H., 4023C
Kitamura, M. See Wang, Y.-F., 2032C
Kitayama, T. See Jenkins, A. D., 4336C
Klaerner, G. See Turner, H. W., 1750C
Klapper, M. See Müllen, K., 1741C
Klein, J. See Wendlandt, M., 831P
Klimchuk, K. A.
—; Hocking, M. B.; Lowen, S.: Water-Soluble Acrylamide Copolymers. VII. Preparation and Characterization of Poly(methacrylamide-*co*-acrylamide), 3146C
—; See Hocking, M. B., 3128C
Klumperman, B.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1734C
—; See De Brouwer, H., 3596C; Marks, M. J., 560C
Knauss, D. M.
—; Al-Muallem, H. A.: Polystyrene with Dendritic Branching by Convergent Living Anionic Polymerization. II. Approach Using Vinylbenzyl Chloride, 4289C
Knebelkamp, A. See Ito, H., 2415C
Ko, M. B. See Jo, W. H., 1005P
Ko, Y. G.
—; Choi, U. S.; Ahn, B. G.; Ahn, D. J.: Study on Syntheses of Phosphates and Transition-Metal Complexes on Viscose Rayon Felt for Flame Retardancy, 2815C
Kobayashi, N. See Yoshida, M., 362P
Kobayashi, S.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1735C
Kober, K.
—; Tshmel, A.: Low-Energy Excitations in Stressed Poly(methyl methacrylate), 1133P
Koch, M. H. J. See Goderis, B., 1975P
Kodaira, T. See Hashimoto, T., 781C; Rahman, M. S., 4362C
Kodama, M. See Wang, B., 214P

Kodama, T. See Moriya, O., 3729C
Koenig, J. L. See Oh, S. J., 1417P
Kohl, P. A. See Patel, K. S., 1634P
Koide, C. See Suzuki, A., 61P
Koito, K. See Suzuki, A., 1137P
Koizumi, T. See Moriya, O., 3729C
Kokko, E.
—; Malmberg, A.; Lehmus, P.; Löfgren, B.; Seppälä, J. V.: Influence of the Catalyst and Polymerization Conditions on the Long-Chain Branching of Metallocene-Catalyzed Polyethenes, 376C
Kokubo, H. See Yamamoto, T., 84P
Kokufuta, E. See Wang, B., 214P
Kolosov, O. V. See Deng, C.-S., 3151P
Komatsu, K. See Okamura, H., 3578C
Konak, C.
—; Fleischer, G.; Tuzar, Z.; Bansil, R.: Dynamics of Solutions of Triblock Copolymers in a Selective Solvent: Effect of Varying Copolymer Concentration, 1312P
Kondo, K. See Mitsuyama, M., 3419C; Sasaki, S., 198C
Kong, S. See Crivello, J. V., 1433C
Kong, X.
—; Tan, S.; Yang, X.; Li, G.; Zhou, E.; Ma, D.: Isothermal Crystallization Kinetics of PEO in Poly(ethylene terephthalate)–Poly(ethylene oxide) Segmented Copolymers. I. Effect of the Soft-Block Length, 3230P
Koning, C. E. See Suwier, D. R., 3558C; Teerenstra, M. N., 3550C
Koros, W. J. See Kamaruddin, H. D., 2254P, 2268P
Koshizaki, N. See Mochizuki, A., 1045C
Kostoski, D. See Djoković, V., 3239P
Kovbuz, M. See Zaichenko, A., 516C
Kowollik, C.
—; Davis, T. P.: Evolution of Molecular Weight Distributions in the Catalytic Chain Transfer Polymerization of Methyl Methacrylate up to High Monomer Conversions, 3303C
Kratzner, D. See Farr, I. V., 2840C
Krause-Rehberg, R. See Dlubek, G., 3062P
Krejsa, M. R. See Striegel, A. M., 3120P
Kricheldorf, H. R.
—; Gerken, A.; Yulchibaev, B.; Friedrich, C.: New Polymer Syntheses. 102. Aspirin-Modified LC Polyesters Based on PET and 4-Hydroxybenzoic Acid, 2013C
—; Probst, N.; Schwarz, G.; Schulz, G.; Krüger, R.-P.: New Polymer Syntheses. 107. Aliphatic Poly(thio ester)s by Ring-Opening Polycondensation of 2-Stanna-1,3-Dithiacycloalkanes, 3656C
—; Rabenstein, M.; Schwarz, G.: LC Polyimides. XXXVI. Poly(ester imide)s Derived from *N*,*N*′-Bis(4-hydroxyphenyl)biphenyl-3,3′,4,4′-tetracarboxylic Diimide and Aliphatic Dicarboxylic Acids, 3019C
—; See Li, Y.-S., 1630C
Kriegel, R. M. See Connor, D. M., 1291C
Krishnaswamy, R. K.
—; A Method to Characterize the Biaxial Orientation of the Crystalline Phase in Polyethylene Blown Films, 182P
Krüger, R.-P. See Kricheldorf, H. R., 3656C
Kryštůfek, M. See Horák, D., 653C
Kuang, S. C. See Lin, J. M., 1699P
Kubo, H.
—; Hayano, S.; Masuda, T.: Polymerization of Aliphatic Disubstituted Acetylenes by $MoOCl_4$—*n*-Bu_4Sn—EtOH Catalyst: Formation of Polymers with Narrow MWDs and Confirmation of the Living Character, 2697C
Kubota, K. See Yamamoto, T., 1348P
Kubota, S. See Maeda, Y., 4478C; Wu, C., 1341P, 1496P, 2285P
Küçükyavuz, Z. See Büyüktanir, E. A., 2678P
Kulbaba, K. See Massey, J. A., 3032P
Kuljanin, J.
—; Vujicic, G. M.; Radojcic, M.; Milosavljevic, B. H.: The Relations Between Absorbed Dose, Molecular Mass Distribution, and Viscosity Studied on Aqueous Solution of Ovalbumin Agglomerated by γ Irradiation, 1729P
Kultys, A.
—; Polyesters Containing Sulfur. VIII. New Benzophenone-Derivative Thiopolyesterdiols Synthesis and Characterization. Their Use for Thermoplastic Polyurethanes Preparation, 3977C
—; Podkościelny, W.; Majewski, W.: Polyurethanes Containing Sulfur. II. New Thermoplastic Nonsegmented Polyurethanes with Diphenylmethane Unit in Their Structure, 1767C
Kumagai, Y.
—; Itoya, K.; Kakimoto, M.-A.; Imai, Y.: Note. High-Pressure Synthesis of Aliphatic Polypyromellitimides via Nylon-Salt-Type Monomers Composed of Aliphatic Diamines and Pyromellitic Acid Diesters, 1391C
Kumar, S. See Jenkins, S., 3053P
Kumar, V. See Armstrong, W. D., 691P
Kunisada, H. See Takagi, K., 4385C
Kuo, H. Y. See Hua, C. C., 248P
Kuo, J. F. See Mandal, T. K., 562P
Kurian, P.
—; Zschoche, S.; Kennedy, J. P.: Synthesis and Characterization of Novel Amphiphilic Block Copolymers Di-, Tri-, Multi-, and Star Blocks of PEG and PIB, 3200C
Kurmaeva, A. See Vedikhina, L., 1824P
Kusumoto, K. See Nishida, H., 68C
Kusuno, A. See Nakato, T., 117C
Kwak, G.
—; Masuda, T.: Synthesis, Structure, and Properties of Poly 1-(trimethylgermyl)-1-propyne], 2964C
Kwak, S.-Y.
—; Kim, J. H.; Kim, S. Y.; Jeong, H. G.; Kwon, I. H.: Microstructural Investigation of High-Speed Melt-Spun Nylon

6 Fibers Produced with Variable Spinning Speeds, 1285P
Kwon, I. C. See Kim, C., 2400P
Kwon, I. H. See Kwak, S.-Y., 1285P
Kwon, M. H. See Oh, Y. R., 509P; Park, J.-Y., 3001P
Kwon, S.-K. See Shin, D.-C., 3086C
Kwon, Y. K.
—; Annis, B. K.; Chen, W.; Wunderlich, B.: Equilibrium Short-Range Order in the Isotropic Phase of a Poly(ester-imide) with a $C_{22}H_{44}$ Alkane Spacer, 611P
—; Pyda, M.; Chen, W.; Wunderlich, B.: Thermal Properties of Poly(ester-imide)s with $C_{12}H_{24}$ and $C_{22}H_{44}$ Groups, 319P
Kyoto, M. See Uedono, A., 101P
Kyritsis, A. See Georgoussis, G., 3070P
Kyu, T. See Guenthner, A. J., 2366P

Lacabanne, C. See Fois, M., 987P
Lachinov, M.
—; Masuda, T.; Mathias, L. J.: Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1736C
Laciak, D. V. See Langsam, M., 1951C
Lacroix-Desmazes, P.
—; Delair, T.; Pichot, C.; Boutevin, B.: Synthesis of Poly(chloromethylstyrene-*b*-styrene) Block Copolymers by Controlled Free-Radical Polymerization, 3845C
Lafleur, M. See Percot, A., 907P
Laguna, O. See García-Martínez, J. M., 1564P
Lakrout, H. See Creton, C., 965P
Lal, H. See Chauhan, G. S., 4506C
La Mantia, F. P. See Scaffaro, R., 1795C
Lam, J. See Lu, J., 2740C
Lam, T. M. See Rochery, M., 544P
Lambrych, K. R. See Gitsov, I., 2711C
Lamure, A. See Fois, M., 987P
Landry, R.
—; Penlidis, A.; Duever, T. A.: A Study of the Influence of Impurities When Discriminating Between the Terminal and Penultimate Copolymerization Models, 2319C
Langer, R. See Kim, B. S., 1277C
Langsam, M.
—; Laciak, D. V.: Synthesis and Gas Transport Properties of Random Amide Imide Copolymers, 1951C
Lanzendörfer, M. G. See Puskas, J. E., 444C
Lapra, A. See Bokobza, L., 2449P
Larock, R. C. See Li, F., 2721P
Laus, M.
—; Sparnacci, K.; Lelli, M.; Vannini, R.; Tondelli, L.: Core-Shell Functional Nanospheres for Oligonucleotide Delivery. II, 1110C
—; See Sparnacci, K., 3347C
Laverne, J. A. See Chang, Z., 1656C
Lebreton, P.
—; Boutevin, B.: Primary Radical Termination and Unimolecular Termination in the Heterogeneous Polymerization of Acrylamide Initiated by a Fluorinated Azo-Derivative Initiator: A Kinetic Study, 1834C
Lee, B.-Y. See Jin, H.-J., 1504P, 2240P
Lee, C.-F. See Hsu, S.-C., 3253C
Lee, C. W. See Moon, S. I., 1673C
Lee, H. F. See Chen-Yang, Y. W., 972C
Lee, H.-S. See Jin, H.-J., 2240P; Park, E.-S., 2239C
Lee, I.-M. See Jin, H.-J., 2240P; Park, E.-S., 2239C
Lee, J. See Chung, H., 2879P
Lee, J.-H.
—; Yu, H.-S.; Kim, W.; Gal, Y.-S.; Park, J.-H.; Jin, S.-H.: Synthesis and Characterization of a New Green-Emitting Poly(phenylenevinylene) Derivative Containing Alkylsilylphenyl Pendant, 4185C
—; See Lefebvre, A. A., 1926P
Lee, J. K. See Bang, H. J., 2625P; Kim, I., 1520C, 1590C
Lee, J.-R. See Park, S.-J., 2945C, 2114P
Lee, J.-S.
—; Park, K.-Y.; Yoo, D.-J.; Suh, K.-D.: *In Situ* Compatibilization of PET/PS Blends Through Carbamate-Functionalized Reactive Copolymers, 1396P
Lee, J.-W.
—; Park, J.-K.; Lee, K.-H.: Thermosensitive Permeation from Side-Chain Crystalline Ionomers, 823P
Lee, K. H. See Bang, H. J., 2625P; Lee, J.-W., 823P
Lee, N.-J. See Jung, E.-Y., 1247C
Lee, R.-S.
—; Yang, J.-M.: Synthesis of *trans*-4-Hydroxy-L-proline-Based Telechelic Prepolymers and Poly(ester-urethane), 2449C
Lee, S. See Chou, K. F., 659P
Lee, S. C. See Kim, C., 2400P
Lee, S.-M. See Chang, J.-H., 2537P
Lee, S.-S.
—; Jeong, H. M.; Jho, J. Y.; Ahn, T. O.: Influence of Copolymer Composition of Polyester-carbonate on Miscibility with Poly(butylene terephthalate), 803P
Lee, S. Y. See Liu, Y., 501P
Lee, Y. See Quirk, R. P., 145C
Lee, Y.-K.
—; Onimura, K.; Tsutsumi, H.; Oishi, T.: Synthesis and Polymerization of Chiral Methacrylates Bearing a Cholesteryl or Menthyl Group, 4315C
Lee, Y. S.
—; Bae, Y. C.: Phase Behaviors of Nematic Liquid Crystal/Linear Polymer Systems: Effect of Specific Interactions, 4128C
—; See Oh, Y. R., 509P
Lee, Y.-W. See Chung, I.-D., 4272C
Leephakpreeda, T.
—; Quiescent Crystallization Kinetics: Embedded Artificial Neural Model, 309P
Lefebvre, A. A.
—; Lee, J. H.; Balsara, N. P.; Hammouda, B.: Fluctuations in Highly Metastable Polymer Blends, 1926P
Lefrant, S. See Baibarac, M., 2599P
Legras, R. See Vermylen, V., 416C

Lehman, S. Y.
—; McNeil, L. E.; Albalak, R. J.: Use of a Cooperative-Motion Domain Model to Analyze Brillouin Light Scattering Measurements of the Dynamic Modulus in Triblock Copolymers, 2170P

Lehmus, P. See Kokko, E., 376C

Lei, M. See Yu, Z.-Z., 2801P

Leibler, L. See Barrière, B., 3201P; Domingues Dos Santos, F., 2989P

Lelli, M. See Laus, M., 1110C

Lemaire, PH.C. See Maertens, C., 205P

Lemee, V.
—; Burget, D.; Jacques, P.; Fouassier, J. P.: On the Interaction Mechanism of Radical Photoinitiators with Monomers, 1785C

Lemmetyinen, H. See Li, S., 2213P

Leonard, J. See Xu, R., 443P

León, S. See Bermúdez, M., 41P

Li, F.
—; Larock, R. C.: New Soybean Oil–Styrene–Divinylbenzene Thermosetting Copolymers. II. Dynamic Mechanical Properties, 2721P
—; See Hu, T., 2077P; Li, X.-G., 4407C

Li, F.-M. See Du, F.-S., 679C

Li, G. See An, Y., 1860P; Kong, X., 3230P

Li, H. See Qi, C., 435P; Wang, L., 3771C

Li, J.
—; Gauthier, M.: Synthesis of ω- and α,ω-Sulfonatotelechelics Based on Homopolymers and Block Copolymers of *n*-Butyl Methacrylate and *t*-Butyl Methacrylate, 3711C
—; See Wan, M., 2359C

Li, J. Q.
—; Salovey, R.: "Continuous" Emulsifier-Free Emulsion Polymerization for the Synthesis of Monodisperse Polymeric Latex Particles, 3181C

Li, L.
—; Wang, C.; Long, Z.; Fu, S.: Synthesis of C_{60} End-Capped Polymers from Azide Functional Polystyrene via Atom Transfer Radical Polymerization, 4519C
—; Yin, J.; Sui, Y.; Xu, H.-J.; Fang, J.-H.; Zhu, Z.-K.; Wang, Z.-G.: Preparation and Properties of High-Pretilt-Angle Polyimides Based on an Alicyclic Dianhydride and Long Alkyloxy Side-Group-Containing Diamines, 1943C
—; Zhang, L.; Huang, R.; Fan, W.; Hong, S.; Wang, G.; Zhong, Y.: Electron Microscopy of High-Pressure Crystallized Poly(ethylene terephthalate), 1612P

Li, M. See Wang, J., 4147C; Zhu, L., 4282C

Li, R. K. Y.
—; Tjong, S. C.; Xie, X. L.: The Structure and Physical Properties of *In Situ* Composites Based on Semiflexible Thermotropic Liquid Crystalline Copoly-esteramide and Poly(butylene terephthalate), 403P

Li, S.
—; Vatanparast, R.; Vuorimaa, E.; Lemmetyinen, H.: Curing Kinetics and Glass-Transition Temperature of Hexamethyl-ene Diisocyanate-Based Polyurethane, 2213P

Li, W. See Tan, S., 53P

Li, X.
—; Salovey, R.: Oligomer Formation in the Emulsifier-Free Emulsion Polymerization of Styrene, 1323C
—; See Wu, G., 1424P

Li, X.-G.
—; Huang, M.-R.; Li, F.; Cai, W.-J.; Jin, Z.; Yang, Y.-L.: Oxidative Copolymerization of 2-Pyridylamine and Aniline, 4407C

Li, Y.
—; Ji, T.; Zhang, J.: Preparation and Properties of Novel Aromatic Polyamides and Polyimides Jacked with Dendritic Fragments, 189C
—; See Desurmont, G., 4095C; Guo, D., 2232C; Sheares, V. V., 4070C; Wang, J., 4147C

Li, Y.-S.
—; Schwarz, G.; Kricheldorf, H. R.: New Polymers Syntheses. 104. Synthesis of poly(ester-imide)s from Nylon 6, Nylon 11, or Nylon 12, 1630C

Li, Z.-C. See Du, F.-S., 679C

Liang, H.
—; Xu, R.; Favis, B. D.; Schreiber, H. P.: Interfacial Tension and Acid-Base Approaches to Polymer Interactions, 2096P

Liao, Y.-C. See Sun, S.-J., 1852C

Liaw, B.-Y. See Liaw, D.-J., 74C, 469C, 797C, 2787C, 4451C

Liaw, D.-J.
—; Liaw, B.-Y.: Radical Polymerization of New Functional Monomer: Methacryloyl Isocyanate Containing 4-Chloro-1-phenol, 469C
—; Liaw, B.-Y.; Chen, J.-J.: Synthesis and Characterization of New Soluble Polyamides from 1,1-Bis 4-(4-carboxyphenoxy)phenyl}-4-*tert*-Butylcyclohexane and Various Diamines, 797C
—; Liaw, B.-Y.; Chung, C.-Y.: Synthesis and Characterization of New Soluble Cardo Polyamides Containing the Tricyclo $5.2.1.0^{2,6}$}Decane Group, 74C
—; Liaw, B.-Y.; Hsu, J.-J.; Cheng, Y.-C.: Synthesis and Characterization of New Soluble Polyesters Derived from Various Cardo Bisphenols by Solution Polycondensation, 4451C
—; Liaw, B.-Y.; Yu, C.-W.: Synthesis and Characterization of New Soluble Cardo Polyamide-imides Containing Cyclododecyl Groups, 2787C

Lieberwirth, I.
—; Loos, J.; Petermann, J.; Keller, A.: Observation of Shish Crystal Growth into Nondeformed Melts, 1183P

Lima, E. L. See Sayer, C., 367C, 1100C

Lim, J. S. See Dinoia, T. P., 2832P

Lim, M.-S.
—; Chen, H.: Miniemulsion Polymerization of Styrene With a Block Copolymer Surfactant, 1818C

Lin, C. H.
—; Wang, C. S.: Synthesis and Property of Phosphorus-Containing Bismaleimide by a Novel Method, 2260C

Lin, J. M.
—; Ma, C. C. M.; Wang, F. Y.; Wu, H. D.; Kuang, S. C.: Thermal, Mechanical, and Morphological Properties of

Phenolic Resin/Silica Hybrid Ceramers, 1699P
Lin, J. S. See Kim, M.-H., 154P
Lin, Q.
—; Long, T. E.: Synthesis and Characterization of a Novel AB_2 Monomer and Corresponding Hyperbranched Poly(arylene ether phosphine oxide)s, 3736C
Lin, R.-H.
—; *In Situ* FTIR and DSC Investigation on Cure Reaction of Liquid Aromatic Dicyanate Ester with Different Types of Epoxy Resin, 2934C
—; Su, A. C.; Hong, J. L.: Glass-Transition Temperature: Conversion Relationship in the Polycyclotrimerization of 4,4′-Thiodiphenylcyanate, 726P
Lin, S. See Chen, R., 411C; Zhu, F., 4258C
Lin, S.-Y. See Capek, I., 1477C
Lin, T.-H. See Kiely, D. E., 594C
Lin, W.-H.
—; Chung, T.-S.: The Physical Aging Phenomenon of 6FDA-Durene Polyimide Hollow Fiber Membranes, 765P
—; Vora, R. H.; Chung, T.-S.: Gas Transport Properties of 6FDA-Durene/1,4-phenylenediamine (pPDA) Copolyimides, 2703P
Lin, Y. See Chen, W.-Y., 138P; Chung, T. S., 1449P
Lin, Y. Y.
—; Hui, C.-Y.; Conway, H. D.: A Detailed Elastic Analysis of the Flat Punch (Tack) Test for Pressure-Sensitive Adhesives, 2769P
—; See Hui, C. Y., 1485P
Lin, Z.
—; Huang, Z.; Shi, L.; Huang, J.: Synthesis of a New Monomer *N′*-(β-methacryloyloxyethyl)-2-pyrimidyl-(*p*-benzyloxycarbonyl)aminobenzenesulfonamide and Its Copolymerization with *N*-Phenyl Maleimide, 2548C
Lindén, L.-Å. See Jakubiak, J., 876C
Lindsay, G. A. See Stenger-Smith, J. D., 2824C
Ling, Q. See Yang, M., 3405C
Liotta, C. L. See Connor, D. M., 1291C; Vargas, M., 2167C
Liou, G.-S. See Yang, C.-P., 1090C
Lipatov, Y. S. See Feinerman, A. E., 899P
Litmanovich, A. D. See Penczek, S., 1744C
Liu, C.-Q.
—; Zhao, H.-T.; Xie, P.; Zhang, R.-B.: Synthesis and Characterization of A Novel Reactive Ladderlike 4,4′-Phenylene Ether-bridged Polyvinylsiloxane, 2702C
Liu, D.-W. See Bauer, B. J., 95P
Liu, H.
—; Näsman, J. H.; Skrifvars, M.: Radical Alternating Copolymerization: A Strategy for Hyperbranched Materials, 3074C
—; Wilén, C.-E.; Skrifvars, M.: Reaction of Epoxy Resin and Hyperbranched Polyacids, 4457C
Liu, J.
—; Wan, M.: Composites of Polypyrrole with Conducting and Ferromagnetic Behaviors, 2734C
—; Zhang, D.; Huang, J.; Qian, Y.; Chan, A. S. C.: Dimethyl Titanium Dichloride: A High Active Catalyst for the Ring Opening Metathesis Polymerization, 1639C
—; See Ystenes, M., 3106C, 3450C
Liu, L.-Z.
—; Chu, B.; Penning, J. P.; Manley, R. St. J.: A Synchrotron SAXS Study of Miscible Blends of Semicrystalline Poly(vinylidene-fluoride) and Semicrystalline Poly(1,4-butylene adipate). II. Crystallization, Morphology, and PBA Inclusion in PVF_2 Spherulites, 2296P
Liu, M. See Wu, G., 1424P
Liu, R. See Huang, L., 730C
Liu, S. See Crivello, J. V., 389C
Liu, S. L.
—; Chung, T. S.; Oikawa, H.; Yamaguchi, A.: The Double Melting Behavior of a Liquid Crystalline Polyimide Derived from PMDA and 1,3-*bis* 4-(4′-aminophenoxyl) cumyl] Benzene, 3018P
Liu, T.
—; Sanda, F.; Endo, T.: Substituent Effect of the Ester Moiety of Epoxysuccinates on the Polycondensation with Diamine, 504C
—; See Guo, D., 2232C
Liu, W.
—; Nakano, T.; Okamoto, Y.: Stereospecific Radical Polymerization of Fluoroalkyl Acrylates, 1024C
—; See Jiang, X., 1203C
Liu, X. See Yang, M., 3405C
Liu, Y.
—; Goh, S. H.; Lee, S. Y.; Huan, C. H. A.: Spectroscopic Studies of Interactions in Poly(*N*-acryloyl-*N′*-methylpiperazine)/Acidic Polymer Complexes, 501P
Liu, Y. X.
—; Kang, E. T.; Neoh, K. G.; Tan, K. L.: Reactive Adsorption of Aminosilane onto the Glycidyl Methacrylate Graft-Copolymerized Poly(tetrafluoroethylene) Film Surface for Adhesion Enhancement with Evaporated Copper, 80C
Llorens, J.
—; Rudé, E.; Marcos, R. M.: Unimodal Molecular Weight Distribution of Commercial Polymers from Viscoelastic Data, 1539P
Lochon, P. See Ding, X. Z., 3067C; Jonquières, A., 614C
Lodefier, P. See Vermylen, V., 416C
Lodge, T. P. See Chen, Y. Y., 2965P
Löfgren, B. See Hakala, K., 1966C; Kokko, E., 376C
Londono, J. D. See Kim, M.-H., 2480P
Long, T. E. See Lin, Q., 3736C; Wang, J., 3742C
Long, Z. See Li, L., 4519C
Loo, Y.-L.
—; Register, R. A.; Adamson, D. H.: Direct Imaging of Polyethylene Crystallites within Block Copolymer Microdomains, 2564P
Loontjens, T. See Bruch, M., 1222C
Loos, J. See Lieberwirth, I., 1183P
López-Bueno, I. See Barral, L., 351P
López, J. See Barral, L., 351P
Lo Sterzo, C. See Giardina, G., 2603C
Lotz, B. See Mathieu, C., 3088P
Louarn, G. See Baibarac, M., 2599P

Lousenberg, R. D.
—; Shoichet, M. S.: Radical Copolymerization of Novel Trifluorovinyl Ethers with Ethyl Vinyl Ether and Vinyl Acetate: Estimating Reactivity Ratios and Understanding Reactivity Behavior of the Propagating Radical, 1344C
Lowen, S. See Hocking, M. B., 3128C; Klimchuk, K. A., 3146C
Lowman, A. M.
—; Cowans, B. A.; Peppas, N. A.: Investigation of Interpolymer Complexation in Swollen Polyelectolyte Networks Using Solid-State NMR Spectroscopy, 2823P
Lozano, A. E. See Abraham, G. A., 1355C; Espeso, J. F., 1014C
Lu, B.
—; Chung, T. C.: Synthesis of Maleic Anhydride Grafted Polyethylene and Polypropylene, with Controlled Molecular Structures, 1337C
Lu, H.-L. See Chin, W.-K., 2033P
Lu, J.
—; Hlil, A. R.; Hay, A. S.; Maindron, T.; Dodelet, J.-P.; Lam, J.; D'Iorio, M.: Synthesis of Poly(arylene ether)s Containing Hole-Transport Moieties from an Isocyanate Masked Bisphenol, 2740C
—; Hlil, A. R.; Meng, Y.; Hay, A. S.; Tao, Y.; D'Iorio, M.; Maindron, T.; Dodelet, J.-P.: Synthesis and Characterization of a Novel AlQ_3-Containing Polymer, 2887C
Lu, S.-J. See Yuan, J.-C., 2919C
Lu, S. X. See Wang, M.-J., 1240P
Lundmark, S. B. See Ito, H., 2415C
Lützow, N. See Tihminlioglu, F., 2429P

Ma, C. C. M. See Lin, J. M., 1699P
Ma, D. See Kong, X., 3230P
Ma, K. X. See Chen, W.-Y., 138P
Månson, J.-A. E. See Mezzenga, R., 1883P, 1893P
Maassen, M. See Teerenstra, M. N., 3550C
Mac Donald, W. A. See Vermylen, V., 416C
Macfarlane, D. R. See Forsyth, M., 341P
Machado, A. V.
—; van Duin, M.; Covas, J. A.: Monitoring Polyolefin Modification along the Axis of a Twin-Screw Extruder. II. Maleic Anhydride Grafting, 3919C
Machado, J. C.
—; Silva, G. G.; Soares, L. S.: Positron Annihilation and Differential Scanning Calorimetry Investigations in Poly(methylmethacrylate)/Low Molecular Weight Poly(ethylene oxide) Polymer Blends, 1045P
Machida, S. See Yoshii, K., 3098P
MacKinnon, S. M.
—; Bender, T. P.; Wang, Z. Y.: Poly(aryl ether)s Containing *o*-Terphenyl Subunits. II. Random Poly(ether sulfone)s, 9C
—; Wang, Z. Y.: Synthesis and Characterization of Poly(aryl ether imide)s Containing Electroactive Perylene Diimide and Naphthalene Diimide Units, 3467C
—; See Bender, T. P., 758C
Macko, J. A.
—; Ishida, H.: Behavior of a Bisphenol-A-Based Polybenzoxazine Exposed to Ultraviolet Radiation, 2687P
Macosko, C. W. See Moon, B., 2177C
Mäder, D. See Bruch, M., 1222C
Madruga, E. L. See De la Fuente, J. L., 170C; Fernández-García, M., 60C
Maeda, M. See Seno, M., 2572C; Shimazu, A., 2525P
Maeda, T. See Maeda, Y., 4478C
Maeda, Y.
—; Maeda, T.; Yamaguchi, K.; Kubota, S.; Nakayama, A.; Kawasaki, N.; Yamamoto, N.; Aiba, S.: Synthesis and Characterization of Novel Biodegradable Copolyesters by Transreaction of Poly(ethylene terephthalate) with Copoly(succinic anhydride/ethylene oxide), 4478C
Maertens, C.
—; Dubois, P.; Jérôme, R.; Blanche, P.-A.; Lemaire, PH.C.: Synthesis and Polarized Light-Induced Birefringence of New Polymethacrylates Containing Carbazolyl and Azobenzene Pendant Groups, 205P
Maglio, G.
—; Palumbo, R.; Tortora, M.: Aromatic Poly(benzoxazole)s from Multiring Diacids Containing (Phenylenedioxy)-diphenylene or (Naphthalenedioxy)diphenylene Groups: Synthesis and Thermal Properties, 1172C
Magny, B. See Barbeau, Ph., 2750P
Magoshi, J. See Inoue, S.-I., 1436P
Magoshi, Y. See Inoue, S.-I., 1436P
Magyar, M. See So, Y.-H., 1283C
Mahabadi, H. K. See Cunningham, M. F., 345C
Mahajan, S. See Chauhan, G. S., 4506C
Mahmud, K. See Wang, M.-J., 1240P
Maillard, B. See Navarre, S., 2957C
Maindron, T. See Lu, J., 2740C, 2887C
Majewski, W. See Kultys, A., 1767C
Mallakpour, S. E.
—; Hajipour, A.-R.; Khoee, S.: Polymerization of 4,4′-(Hexafluoroisopropylidene)-*N,N′*-bis(phthaloyl-*L*-leucine) Diacid Chloride with Aromatic Diamines by Microwave Irradiation, 1154C
Malmberg, A. See Kokko, E., 376C
Mandal, B. M. See Rana, D., 369P
Mandal, T. K.
—; Kuo, J. F.; Woo, E. M.: Miscibility and Spherulite Growth Kinetics in the Poly(ethylene oxide)/Poly(benzyl methacrylate) System, 562P
Manley, R. St. J. See Liu, L.-Z., 2296P
Manners, I. See Massey, J. A., 3032P
Manohar, S. B. See Panda, A., 3462C
Marais, S.
—; Nguyen, Q. T.; Devallencourt, C.; Metayer, M.; Nguyen, T. U.; Schaetzel, P.: Permeation of Water through

Polar and Nonpolar Polymers and Copolymers: Determination of the Concentration-Dependent Diffusion Coefficient, 1998P

Marchand-Brynaert, J. See Biltresse, S., 3510C

Marcos, R. M. See Llorens, J., 1539P

Maréchal, Y. See Ngono, Y., 329P

Maring, D.
—; Wilhelm, M.; Spiess, H. W.; Meurer, B.; Weill, G.: Dynamics in the Crystalline Polymorphic Forms I and II and Form III of Isotactic Poly-1-butene, 2611P

Marks, M. J.
—; Munjal, S.; Namhata, S.; Scott, D. C.; Bosscher, F.; De Letter, J. A.; Klumperman, B.: Randomly Branched Bisphenol A Polycarbonates. I. Molecular Weight Distribution Modeling, Interfacial Synthesis, and Characterization, 560C
—; Newton, J.: Branching by Reactive End Groups. II. Synthesis, Branching and Melt Rheology of (Meth)acrylate/*p-t*-Butylphenol-Coterminated Bisphenol A Polycarbonates, 2340C
—; Newton, J.; Bales, S. E.: Branching by Reactive End Groups. III. Synthesis, Branching, and Analysis of *m*-Ethynylphenol/*p-t*-Butylphenol-Coterminated Bisphenol A Polycarbonates, 2352C

Marsella, J. A.
—; Starner, W. E.: Acceleration of Amine/Epoxy Reactions with *N*-Methyl Secondary Amines, 921C

Martínez D. Ilarduya, A. See King, D. P. R., 1934C; Kint, D. P. R., 3761C; Regaño, C., 2687C

Martínez-Piña, F. See Díaz-Calleja, R., 2179P

Martínez-Salazar, J. See Muñoz-Escalona, A., 571C

Martin, P. See Mekhilef, N., 1359P

Maschke, U. See Benmouna, F., 478P

Masere, J.
—; Chekanov, Y.; Warren, J. R.; Stewart, F. D.; Al-Kaysi, R.; Rasmussen, J. K.; Pojman, J. A.: Gas-Free Initiators for High-Temperature Free-Radical Polymerization, 3984C

Mashlyakovskiy, L.
—; Khomko, E.; Zaiviy, V.; Tonelli, C.: Fluoropolyethers End-Capped by Polar Functional Groups. II. Effect of Catalyst and Reagents Concentration, Solvent Nature, and Temperature on Reaction Kinetics of α,ω-Bis(hydroxy)-Terminated Fluoropolyethers with Cycloalyphatic and Aromatic Diisocyanates, 2579C

Maskos, K. See Sachinvala, N. D., 1889C

Massey, J. A.
—; Kulbaba, K.; Winnik, M. A.; Manners, I.: Solution Characterization of the Novel Organometallic Polymer Poly(ferrocenyldimethylsilane), 3032P

Masuda, K.
—; Kaji, H.; Horii, F.: CP/MAS ^{13}C NMR Analyses of Hydrogen Bonding and the Chain Conformation in the Crystalline and Noncrystalline Regions for Poly(vinyl alcohol) Films, 1P

Masuda, T. See Izumi, A., 1057C; Kubo, H., 2697C; Kwak, G., 2964C; Lachinov, M., 1736C; Nagai, K., 1474P

Masuda, Y. Seno, M., 2098C

Mateva, R. See Petrov, P., 4154C

Mather, P. T. See Dang, T. D., 1991C

Mathers, R. T. See Kisliuk, A., 2785P

Matheson, R. R., Jr. See Darling, T. R., 1706C, 1709C

Mathias, L. J. See Lachinov, M., 1736C

Mathieu, C.
—; Thierry, A.; Wittman, J. C.; Lotz, B.: Epitaxial Crystallization of Isotactic Poly(4-methyl-pentene-1), 3088P

Mathot, V. B. F. See Goderis, B., 1975P

Matlengiewicz, M.
—; Nguyen, G.; Nicole, D.; Henzel, N.: Analysis of β-CH_2 Signals in the ^{13}C NMR Spectra of the Methyl Methacrylate-Ethyl Acrylate Copolymer as a Tool for Microstructure Determination, 2147C

Matsubara, Y. See Moriya, O., 3729C

Matsumiya, Y. See Watanabe, H., 1024P

Matsumoto, A.
—; Ohashi, T.; Oe, H.; Aota, H.; Ikeda, J.-I.: Amphiphilic Polymethacrylates as Crosslinked Polymer Precursors Obtained by Free-Radical Monomethacrylate/Dimethacrylate Copolymerizations, 4396C
—; See Okamoto, Y., 1742C

Matsumoto, S. See Tsujita, Y., 1307P

Matsushita, Y.
—; Studies on Equilibrium Structures of Complex Polymers in Condensed Systems, 1645P

Mattes, B. R. See Wang, H.-L., 194P

Matyjaszewski, K.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1738C
—; Shipp, D. A.; McMurtry, G. P.; Gaynor, S. G.; Pakula, T.: Simple and Effective One-Pot Synthesis of (Meth)Acrylic Block Copolymers Through Atom Transfer Radical Polymerization, 2023C
—; Teodorescu, M.; Miller, P. J.; Peterson, M. L.: Graft Copolymers of Polyethylene by Atom Transfer Radical Polymerization, 2440C
—; See Davis, K. A., 2274C

Mau, A. W. H. See Gong, X., 2323P

Maunu, S. L. See Hietala, S., 3277P

May, I.
—; Žigon, M.; Šebenik, A.; Vohlidal, J.: Sulfonated Polyanilines Prepared by Copolymerization of 3-Aminobenzenesulfonic Acid and Aniline: The Effect of Reaction Conditions on Polymer Properties, 3390C

Mayer, J. See Szadkowska-Nicze, M., 3378C

McCormick, J. A.
—; Royer, J. R.; Hwang, C. R.; Khan, S. A.: Tailored Rheology of a Metallocene Polyolefin through Silane

Grafting and Subsequent Silane Crosslinking, 2468P
McGrath, J. E. See Farr, I. V., 2840C; Wang, S., 2409P
McHugh, M. A. See Dinoia, T. P., 2832P
McManus, N. T. See Palmer, D. E., 1981C
McMurtry, G. P. See Matyjaszewski, K., 2023C
McNeil, L. E. See Lehman, S. Y., 2170P
Mecerreyes, D.
—; Miller, R. D.; Hedrick, J. L.; Detrembleur, C.; Jérôme, R.: Ring-Opening Polymerization of 6-Hydroxynon-8-Enoic Acid Lactone: Novel Biodegradable Copolymers Containing Allyl Pendent Groups, 870C
Medyakova, L. V.
—; Rzaev, Z. M. O.; Güner, A.; Kibarer, G.: Complex-Radical Terpolymerization of Acceptor–Donor–Acceptor Systems: Maleic Anhydride (*n*-Butyl methacrylate)–Styrene–Acrylonitrile, 2652C
Mehdipour-Ataei, S. See Barikani, M., 1487C; Yeganeh, H., 1528C
Meijer, E. W.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1739C
Mekhilef, N.
—; Carreau, P. J.; Favis, B. D.; Martin, P.; Ouhlal, A.: Viscoelastic Properties and Interfacial Tension of Polystyrene–Polyethylene Blends, 1359P
Mellinger, F. See Beginn, U., 2041C
Melo, W. L. B. See De Albuquerque, J. E., 1294P
Mendoza, J.
—; De La Cal, J. C.; Asua, J. M.: Kinetics of the Styrene Emulsion Polymerization Using n-Dodecyl Mercaptan as Chain-Transfer Agent, 4490C
Meng, Y. See Hlil, A. R., 1318C; Lu, J., 2887C
Meredith, P. L.
—; Life Sciences and Materials: A Successful Marriage Is Possible, 667C
Merkel, T. C.
—; Bondar, V.; Nagai, K.; Freeman, B. D.: Sorption and Transport of Hydrocarbon and Perfluorocarbon Gases in Poly(1-trimethylsilyl-1-propyne), 273P
—; Bondar, V. I.; Nagai, K.; Freeman, B. D.; Pinnau, I.: Gas Sorption, Diffusion, and Permeation in Poly(dimethylsiloxane), 415P
Merwin, L. H. See Stenger-Smith, J. D., 2824C
Messé, L.
—; Prud'Homme, R. E.: Orientation and Relaxation Study of Polystyrene: Polystyrene/Poly(phenylene oxide) Blends, 1405P
Metayer, M. See Marais, S., 1998P
Meunier, G. See Domingues Dos Santos, F., 2989P
Meurer, B. See Maring, D., 2611P
Meyer-Pundsack, C. See Schwegler, L. A., 2306C
Mezzenga, R.
—; Boogh, L.; Månson, J.-A. E.: A Thermodynamic Model for Thermoset Polymer Blends with Reactive Modifiers, 1893P
—; Boogh, L.; Månson, J.-A. E.: Evaluation of Solubility Parameters during Polymerisation of Amine-Cured Epoxy Resins, 1883P
Mhetar, V. R.
—; Archer, L. A.: A New Proposal for Polymer Dynamics in Steady Shearing Flows, 222P
Mi, F.-L.
—; Sung, H.-W.; Shyu, S.-S.: Synthesis and Characterization of a Novel Chitosan-Based Network Prepared Using Naturally Occurring Crosslinker, 2804C
Michel, A. J. See Puskas, J. E., 444C
Mignard, N. See Scaffaro, R., 1795C
Mihut, L. See Baibarac, M., 2599P
Mikado, T. See Uedono, A., 101P
Mikhailenko, S. D.
—; Zaidi, S. M. J.; Kaliaguine, S.: Electrical Properties of Sulfonated Polyether Ether Ketone/Polyetherimide Blend Membranes Doped with Inorganic Acids, 1386P
Mikroyannidis, J. A.
—; Soluble, Photoluminescent, Ionic Polymers with 2,6-Bisphenyl-4-anthracenyl-*N*-hexadecylpyridinium Tetrafluoroborate Segments, 2492C
—; Synthesis and Properties of Soluble, Fluorescent Polyesters and Polyethers with Substituted *m*-Terphenyl Segments in the Main Chain, 2381C
Miller, D. See Ito, H., 3521C
Miller, D. R. See So, Y.-H., 1283C
Miller, P. J. See Matyjaszewski, K., 2440C
Miller, R. D. See Mecerreyes, D., 870C
Milosavljevic, B. H. See Kuljanin, J., 1729P
Minami, H.
—; Okubo, M.; Murakami, K.; Hirano, S.: Kinetics of Chemical Oxidative Dispersion Polymerization of 3,5-Xylidine in Aqueous Medium Using a pH Stat Method, 4238C
Minegishi, S.
—; Ito, M.; Kameyama, A.; Nishikubo, T.: Synthesis of Poly(silyl ether)s Containing Pendant Chloromethyl Groups by the Polyaddition of Bis(oxetane)s with Dichlorosilanes, 2254C
Minoda, M. See Okamura, H., 3578C
Miraballes-Martínez, I.
—; Forcada, J.: Synthesis of Latex Particles with Surface Amino Groups, 4230C
Miranda, R. See Díaz-Calleja, R., 2179P
Mitani, K. See Higashi, F., 1270C
Mitchell, D. See Huang, L., 730C
Mitina, N. See Zaichenko, A., 516C
Mitsuyama, M.
—; Ishii, R.; Kondo, K.: Synthesis and Polymerization of Long Alkyl Acetylenic Compounds, 3419C
Miyagawa, T.
—; Sanda, F.; Endo, T.: Synthesis and Radical Polymerization of 5-Methylene-2,2-dimethyl-1,3-dioxolan-4-one, 1861C
Miyaji, T.
—; Azuma, C.; Asaoka, E.; Nakamura, S.: Regeneration of Polycondensation of Wholly Aromatic Poly(azomethine)s with 1,5- or 2,6-Substituted

Naphthalene Moiety in Main Chain, 1064C
Miyamoto, M. See Moon, S. I., 1673C; Sawai, D., 2571P
Miyamoto, T. See Deng, C.-S., 3151P; Okamura, H., 3578C
Miyata, T.
—; Obata, S.; Uragami, T.: Rapid Communication. Relationship Between Fractal Microphase Separation and Permselectivity of Block Copolymer Membranes Containing Poly(dimethylsiloxane), 584P
Miyazaki, T. See Shimazu, A., 2525P
Miyazaki, Y. See Kanbara, T., 4194C
Miyazono, K. See Okamura, H., 3578C
Miyoshi, T. See Sato, T., 509C
Mizawa, T.
—; Takenaka, K.; Shiomi, T.: Synthesis of α-Maleimide-ω-Dienyl Heterotelechelic Poly(methyl methacrylate) and Its Cyclization by the Intramolecular Diels–Alder Reaction, 237C
Mizoguchi, K. See Higuchi, A., 1749P
Mizutani, Y. See Endo, T., 2543C
Mo, Z. See An, Y., 1860P; Qiu, Z., 1992P
Moad, G. See Darling, T. R., 1706C, 1709C
Mochizuki, A.
—; Sakamoto, M.; Yoshioka, M.; Fukuoka, T.; Takeshi, K.; Ueda, M.: Novel Photosensitive Polymer Based on Polycarbodiimide and Photoamine Generator, 329C
—; Senshu, K.; Seita, Y.; Yamashita, S.; Koshizaki, N.: Studies on Surface Structures of Poly(ethylene oxide)-Segmented Nylon Films, 1045C
—; See Nishio, A., 2106C
Moeller, M.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1740C
Möller, M.
—; Kånge, R.; Hedrick, J. L.: $Sn(OTf)_2$ and $Sc(OTf)_3$: Efficient and Versatile Catalysts for the Controlled Polymerization of Lactones, 2067C
—; See Bartelink, C. F., 2555C; Beginn, U., 631C, 2041C; Drohmann, C., 741C; Schwegler, L. A., 2306C
Monteiro, M. J.
—; Hodgson, M.; De Brouwer, H.: The Influence of RAFT on the Rates and Molecular Weight Distributions of Styrene in Seeded Emulsion Polymerizations, 3864C
—; Sjöberg, M.; van der Vlist, J.; Göttgens, C. M.: Synthesis of Butyl Acrylate–Styrene Block Copolymers in Emulsion by Reversible Addition-Fragmentation Chain Transfer: Effect of Surfactant Migration upon Film Formation, 4206C
—; See De Brouwer, H., 3596C
Montserrat, S.
–; Enthalpy Relaxation of an Epoxy—Anhydride Resin by Temperature-Modulated Differential Scanning Calorimetry, 2272P
—; Cortés, P.; Calventus, Y.; Hutchinson, J. M.: Effect of Crosslink Length on the Enthalpy Relaxation of Fully Cured Epoxy–Diamine Resins, 456P
Moon, B.
—; Hoye, T. R.; Macosko, C. W.: Anionic Synthesis and Detection of Fluorescence-Labeled Polymers with a Terminal Anhydride Group, 2177C
Moon, S. I.
—; Lee, C. W.; Miyamoto, M.; Kimura, Y.: Melt Polycondensation of L-Lactic Acid with Sn(II) Catalysts Activated by Various Proton Acids: A Direct Manufacturing Route to High Molecular Weight Poly(L-lactic acid), 1673C
Moore, J. S. See Zhang, P., 207C
Moorefield, C. N. See Strumia, M. C., 2779C
Morales, E. See Villarreal, I., 1258P
Morales, J.
—; Olayo, M. G.; Cruz, G. J.; Castillo-Ortega, M. M.; Olayo, R.: Electronic Conductivity of Pyrrole and Aniline Thin Films Polymerized by Plasma, 3247P
Moreau, M. See Cancouët, P., 826C
Moreira, R. L. See Faria, L. O., 34P
Morishita, T. See Hayakawa, T., 3875C
Moriya, O.
—; Koizumi, T.; Kodama, T.; Matsubara, Y.; Tsubaki, S.; Endo, T.: Radical Ring-Opening Copolymerization Behavior of Vinyloxirane: Synthesis of Copolymer from 2-Isopropenyl-3-phenyloxirane and Styrene and Its Functionalization, 3729C
Morton, D. W.
—; Kiely, D. E.: Synthesis of Poly(azaalkylene aldaramide)s and Poly(oxaalkylene aldaramide)s Derived from D-Glucaric and D-Galactaric Acids, 604C
—; See Carter, A., 3892C
Moussaif, N. See Pagnoulle, C., 3682C
Mukataka, S. See Wang, B., 214P
Mülhaupt, R. See Bruch, M., 1222C
Müllen, K.
—; Klapper, M.; Nolte, R. J. M.; Nuyken, O.: Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1741C
Munjal, S. See Marks, M. J., 560C
Muñoz-Escalona, A.
—; Ramos, J.; Cruz, V.; Martínez-Salazar, J.: Effect of a Second Ethylene Molecule on the Insertion of Ethylene in Zirconocene Catalyst Systems: A QM Semiempirical Study, 571C
Muñoz-Guerra, S. See Bermúdez, M., 41P; King, D. P. R., 1934C; Kint, D. P. R., 3761C; Regaño, C., 2687C
Muñoz, M. E. See Zárraga, A., 469P
Murakami, K. See Minami, H., 4238C
Murakami, S. See Kawaguchi, A., 838P
Murakami, T. See Yasuniwa, M., 262P
Muraoka, Y. See Yamamoto, K., 3674C

Murata, M. See Jin, J., 3355C
Muratore, L. M.
—; Davis, T. P.: Self-Reinforcing Hydrogels Comprised of Hydrophobic Methyl Methacrylate Macromers Copolymerized with *N,N*-Dimethylacrylamide, 810C
Murray, M. C.
—; Baird, M. C.: Copolymerization of 1-Hexene and Ethylene Catalyzed by the Ziegler Catalyst $Cp^*TiMe_3/B(C_6F_5)_3$, 3966C
Muzafarov, A. M. See Drohmann, C., 741C

Nagai, K.
—; Freeman, B. D.; Hill, A. J.: Effect of Physical Aging of Poly(1-trimethylsilyl-1-propyne) Films Synthesized with $TaCl_5$ and $NbCl_5$ on Gas Permeability, Fractional Free Volume, and Positron Annihilation Lifetime Spectroscopy Parameters, 1222P
—; Nakajima, M.; Norimatsu, T.; Izawa, Y.; Yamanaka, T.: Solvent Removal During Curing Process of Highly Spheric and Monodispersed-Sized Polystyrene Capsules from Density-Matched Emulsions Composed of Water and Benzene/1,2-Dichloroethane, 3412C
—; Toy, L. G.; Freeman, B. D.; Taraguchi, M.; Masuda, T.; Pinnau, I.: Gas Permeability and Hydrocarbon Solubility of Poly 1-phenyl-2- *p*-(triisopropylsilyl)phenyl}acetylene), 1474P
—; See Dixon-Garrett, S. V., 1078P, 1461P; Higuchi, A., 1749P; Merkel, T. C., 273P, 415P
Nagashima, M. See Nishida, H., 1560C
Nakabayashi, N. See Uchida, T., 3052C
Nakahara, T. See Nishida, H., 68C
Nakajima, M. See Nagai, K., 3412C
Nakamoto, Y. See Wu, C., 1341P, 1496P, 2285P, 2943P
Nakamura, S. See Miyaji, T., 1064C
Nakamura, T. See Sakurai, S., 1716P
Nakano, T. See Liu, W., 1024C; Yamada, K., 220C
Nakao, S.-I. See Wang, B.-G., 171P, 846P
Nakato, T.
—; Kusuno, A.; Kakuchi, T.: Synthesis of Poly(succinimide) by Bulk Polycondensation of L-Aspartic Acid with an Acid Catalyst, 117C
Nakayama, A. See Maeda, Y., 4478C
Nakayama, M. See Ogura, K., 4343C
Nakaya, T. See Wang, Y.-F., 2032C
Namhata, S. See Marks, M. J., 560C
Nanda, A. K.
—; Kishore: Thermal-Initiating Potentialities of Vinyl Polyperoxides: Transmutation of Block-into-Block Copolymer and an Exploratory Investigation of Surface Texture and Morphology, 3665C
Nandi, A. K. See Oikshi, A. K., 297P
Narita, M. See Suzuki, H., 108C
Narkis, M. See Nir, Y., 813P
Narváez, A. See Pérez, E., 1440P
Nasar, A. S. See Gnanarajan, T. P., 4032C
Näsman, J. H. See Liu, H., 3074C
Nasrullah, J. M.
—; Raja, S.; Vijayakumaran, K.; Dhamodharan, R.: A Practical Route for the Preparation of Poly(4-hydroxystyrene), a Useful Photoresist Material, 453C
Natansohn, A. See Xu, Z.-S., 2245C
Nauman, E. B. See Russo, A. P., 1301P
Navarre, S.
—; Maillard, B.: Efficiency of Peroxyderivatives in the Chemical Modification of Polyethylene, 2957C
Nazábal, J. See Guerrica-Echevarría, G., 1090P
Neoh, K. G. See Liu, Y. X., 80C; Yang, G. H., 3498C
Nesheiwat, A. M. See Hanley, S. J., 599P
Newkome, G. R. See Strumia, M. C., 2779C
Newman, T. H. See Schellenberg, J., 3476C
Newton, J. See Marks, M. J., 2340C, 2352C
Ngai, K. L. See Casalini, R., 1841P
Ngono, Y.
—; Maréchal, Y.: Epoxy-Amine Reticulates Observed by Infrared Spectrometry. II. Modifications of Structure and of Hydration Abilities After Irradiation in a Dry Atmosphere, 329P
Nguyen, B. N.
—; Shattuck, J. C.; Stevens, M. P.: *N*-Methylolmaleimide–Benzene Photoadduct: A Novel Monomer for the Synthesis of Functionally Modified Polyimides, 2645C
Nguyen, C. V. See Ito, H., 2415C
Nguyen, G. See Matlengiewicz, M., 2147C
Nguyen, Q. T. See Marais, S., 1998P
Nguyen, S. H.
—; Berek, D.; Capek, I.; Chiantore, O.: Polystyrene-Graft-Poly(Ethylene Oxide) Copolymers Prepared by Macromonomer Technique in Dispersion. I. Liquid Chromatographic Separation of Product Mixtures, 2284C
Nguyen, T. U. See Marais, S., 1998P
Nickel, E. G. See Stenger-Smith, J. D., 2824C
Nicole, D. See Matlengiewicz, M., 2147C
Nie, J. See Jakubiak, J., 876C
Nielsen, R. B. See Turner, H. W., 1750C
Niemczura, W. P. See Sachinvala, N. D., 1889C
Niimi, L. See Yokozawa, T., 179C
Nikles, D. E. See Han, M., 2893C, 3284C; Hu, Y., 3278C
Nikolaeva, O.
—; Budtova, T.; Alexeev, V.; Frenkel, S.: Interpolymer Complexation Between Polyacrylic Acid and Cellulose Ethers: Formation and Properties, 1323P
Ninan, K. N. See Bindu, R. L., 641C; George, S. C., 2136P
Nir, Y.
—; Narkis, M.; Siegmann, A.: Partially Miscible EVOH/Copolyamide-6/6.9 Blends: The Effect of Stretching on the Structure, 813P

Nishida, H.
—; Sanda, F.; Endo, T.; Nakahara, T.; Ogata, T.; Kusumoto, K.: Polyaddition of Bifunctional Spiro Orthoesters with Bifunctional Acid Chlorides Accompanying Double Ring-Opening Isomerization, 68C
—; Yamashita, M.; Nagashima, M.; Endo, T.; Tokiwa, Y.: Synthesis of Metal-Free Poly(1,4-dioxan-2-one) by Enzyme-Catalyzed Ring-Opening Polymerization, 1560C
Nishide, H. See Pu, Y.-J., 4119C
Nishikawa, Y. See Kawaguchi, A., 838P
Nishikubo, T.
—; Kameyama, A.; Saito, C.: A Novel Polyaddition of Bis(epoxide)s with Triazine Diaryl Ether for the Synthesis of Poly(ether)s Containing Triazine Group in the Main Chain, 3604C
—; Kameyama, A.; Yaguchi, T.: Synthesis of Poly(cyanurate)s by a Novel Polyaddition of Bis(epoxide)s with Triazine dichloride, 4006C
—; See Chen, B.-Q., 988C; Kimura, K., 3399C; Minegishi, S., 2254C
Nishio, A.
—; Mochizuki, A.; Sugiyama, J.-I.; Takeuchi, K.; Asai, M.; Yonetake, K.; Ueda, M.: Synthesis and Characterization of Ordered Polyurethanes from Nonsymmetric Diisocyanate and Ethylene Glycol, 2106C
Nishi, T. See Ohishi, H., 299C, 127P
Nishiura, T. See Jenkins, A. D., 4336C
Nishiwaki, T. See Shinoda, T., 2760C
Nishiyama, Y.
—; Satoh, M.: Solvent- and Counterion-Specific Swelling Behavior of Poly(acrylic acid) Gels, 2791P
Nitta, K.-H.
—; Takayanagi, M.: Tensile Yield of Isotactic Polypropylene in Terms of a Lamellar-Cluster Model, 1037P
—; See Wu, C., 1341P, 1496P, 2285P, 2943P
Nogales, A. See Denchev, Z., 1167P
Nogueira, P. See Barral, L., 351P
Noid, D. W. See Fukui, K., 1812P
Nolte, R. J. M. See Müllen, K., 1741C
Nomura, R. See Endo, T., 2543C; Izumi, A., 1057C
Nomura, S. See Sakurai, S., 1716P
Norambuena, E. See Encinas, M. V., 2269C
Norimatsu, T. See Nagai, K., 3412C
Nose, T. See Inomata, K., 1331P
Nuyken, O. See Hoogen, N., 1903C; Müllen, K., 1741C
Nuzzo, R. G. See Blanchard, R. M., 1512P
Nyhus, A. K.
—; Hagen, S.; Berge, A.: Friedel–Crafts Reactions of Pendant Vinyl Groups in Macroporous Monosized Poly(*meta*-divinylbenzene) and Poly(*para*-divinylbenzene) Particles, 1366C

Obata, S. See Miyata, T., 584P
Ober, C. K. See Friedel, P., 1617P; Samuel, J. D. J. S., 1179C
Odian, G. See Zhao, X., 3802C
Odrobina, E.
—; Feng, J.; Winnik, M. A.: Effect of Oligomers on the Polymer Diffusion Rate in Poly(butyl methacrylate) Latex Films, 3933C
Oe, H. See Matsumoto, A., 4396C
Ogata, T. See Nishida, H., 68C
Ogawa, K. See Friedlander, S. K., 2658P
Ogiso, M. See Wang, B., 214P
Ogura, K.
—; Patil, R. C.; Shiigi, H.; Tonosaki, T.; Nakayama, M.: Response of Protonic Acid-Doped Poly(o-anisidine)/Poly(vinyl alcohol) Composites to Relative Humidity and Role of Dopant Anions, 4343C
O'Hagan, D. See Runge, M., 2004C
Oh, J. B. See Chang, J.-H., 2537P
Oh, S. J.
—; Koenig, J. L.: Solid-State NMR Studies of *cis*-1,4-polyisoprene Crosslinked with Dicumyl Peroxide in the Presence of Triallyl Cyanurate, 1417P
Oh, Y. R.
—; Lee, Y. S.; Kwon, M. H.; Park, O. O.: Determination of Molecular Weight and Its Distribution of Rigid-Rod Polymers Determined by Phase-Modulated Flow Birefringence Technique, 509P
Ohashi, H. See Oku, H., 4524C
Ohashi, T. See Matsumoto, A., 4396C
Ohdaira, T. See Uedono, A., 101P
Ohishi, H.
—; Kishimoto, S.; Ikehara, T.; Nishi, T.: Synthesis of Styrene–Acrylonitrile Random Copolymers (SAN) and Polyarylate Block Copolymers and the Control of Their Mechanical Properties by Morphology Generation, 127P
—; Nishi, T.: A Chain Geometry Prediction of Polystyrene and Polyarylate Block Copolymer by a Kinetic Simulation Model, 299C
Ohshima, A. See Endo, T., 2543C
Ohtani, H.
—; Suzuki, A.; Tsuge, S.: A Novel Approach to the Characterization of End Groups in Styrene–Methyl Methacrylate Copolymers by Pyrolysis–Gas Chromatography, 1880C
Ohyama, T. See Oku, H., 2671C
Oikawa, H. See Liu, S. L., 3018P
Oikshi, A. K.
—; Nandi, A. K.: An Equilibrium Study on the Distribution of Structural Defects Between the Lamellar and Amorphous Portions of Poly(vinylidene fluoride) and (vinylidene fluoride-tetra fluoro ethylene) Copolymer Crystals, 297P
Oishi, T.
—; Onimura, K.; Isobe, Y.; Yanagihara, H.; Tsutsumi, H.: Asymmetric Anionic Polymerization of Maleimides Bearing Bulky Substituents, 310C
—; See Lee, Y.-K., 4315C
Okabe, Y. See Tsutsumi, N., 88P
Okada, K. See Wang, Y.-F., 2032C
Okamoto, H. See Asai, K., 715C

Okamoto, K.-I. See Fang, J., 895C, 1123P; Wang, H., 1800P, 2954P; Yoshino, M., 1707P

Okamoto, Y.
—; Otsu, T.; Matsumoto, A.: Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1742C
—; See Habaue, S., 4088C; Liu, W., 1024C; Sakurai, S., 1716P; Yamada, K., 220C

Okamura, H.
—; Miyazono, K.; Minoda, M.; Komatsu, K.; Fukuda, T.; Miyamoto, T.: Synthesis of Highly Water Soluble C_{60} End-Capped Vinyl Ether Oligomers with Well-Defined Structure, 3578C

Okazaki, M. See Hayakawa, T., 3875C

Oku, H.
—; Fujimoto, J.; Ohyama, T.; Hiroki, A.; Yoshida, M.; Katakai, R.: Side-Chain Conformational Changes During the Thermoshrinking Process: γ-Ray Polymerization and Spectroscopic Study of Uncrosslinked Poly(methacryloyl-Ala-OMe), 2671C
—; Ohashi, H.; Fujimoto, J.; Shimizu, M.; Yoshida, M.; Katakai, R.: Conformational Change of Proline Residues Observed in Swollen and Shrunken Phases: γ-Ray Synthesis and Variable Temperature Circular Dichroism Spectra of a Thermo-Responding Polymer, Poly(acryloyl-Pro-OMe), 4524C

Okubo, M. See Minami, H., 4238C

Olaj, O. F.
—; Vana, P.: Chain Length-Dependent Termination in Pulsed-Laser Polymerization. VIII. The Temperature Dependence of the Rate Coefficient of Bimolecular Termination in the Bulk Polymerization of Styrene, 697C

Olayo, M. G. See Morales, J., 3247P

Olayo, R. See Herrera-Ordóñez, J., 2201C, 2219C; Morales, J., 3247P

Omi, S. See Tawonsree, S., 4038C

Onimura, K. See Lee, Y.-K., 4315C; Oishi, T., 310C

Ono, H.
—; Kato, T.: Stereoregular Emulsion Polymerization of Butadiene, 1083C

Onogi, T. See Inoue, T., 954P

Onopchenko, A. See Harrison, J. J., 152C

Oommen, Z.
—; Groeninckx, G.; Thomas, S.: Dynamic Mechanical and Thermal Properties of Physically Compatibilized Natural Rubber/Poly(methyl methacrylate) Blends by the Addition of Natural Rubber-*graft*-Poly(methyl methacrylate), 525P

O'Reilly, J. M.
—; Physical Aging and Enthalpy Relaxation of Amorphous Polyesters, 495P

Oriol, L.
—; Piñol, M.; Poelsma, S.; Serrano, J. L.; Viñuales, A.: Synthesis and Characterization of Reactive Liquid Crystalline Schiff Bases, Rh(I) Complexes, and Their Derived Polymers, 4466C

Orphanou, M.
—; Simmons, M. R.; Patrickios, C. S.: Synthesis and Characterization of Near-Monodisperse Electron Acceptor Homopolymers of 2-{(3,5-Dinitrobenzoyl)oxy}-ethyl Methacrylate, 1457C

Osakada, K.
—; Takenaka, Y.; Choi, J.-C.; Yamaguchi, I.; Yamamoto, T.: Synthesis of Linear and Branched Polyketones from the Rh Complex Catalyzed Living Alternating Copolymerization of (4-Alkylphenyl)allene with CO, 1505C

Osaki, K.
—; Inoue, T.; Isomura, T.: Stress Overshoot of Polymer Solutions at High Rates of Shear, 1917P
—; Inoue, T.; Isomura, T.: Stress Overshoot of Polymer Solutions at High Rates of Shear; Polystyrene with Bimodal Molecular Weight Distribution, 2043P
—; Inoue, T.; Uematsu, T.: Stress Overshoot of Polymer Solutions at High Rates of Shear: Semidilute Polystyrene Solutions with and without Chain Entanglement, 3271P
—; See Inoue, T., 954P; Watanabe, H., 1024P

Otsu, T.
—; Iniferter Concept and Living Radical Polymerization, 2121C
—; See Okamoto, Y., 1742C

Ott, M. See Ystenes, M., 3106C, 3450C

Ou, Y.-C. See Pan, Y.-X., 1626P; Yu, Z.-Z., 2801P

Ouhlal, A. See Mekhilef, N., 1359P

Ouyang, J. See Xu, J., 127C

Ozaki, H. See Jin, J., 3355C

Özeroğlu, C. See Biçak, N., 1006C

Ozono, M. See Kishi, K., 35C, 804C

Özyürek, C.
—; Çaykara, T.; Kantoğlu, Ö.; Güven, O.: Characterization of Network Structure of Poly(*N*-vinyl 2-pyrrolidone/acrylic acid) Polyelectrolyte Hydrogels by Swelling Measurements, 3309P
—; See Çaykara, T., 2063P

Pabin-Szafko, B. See Szafko, J., 2156C

Pączkowski, J. See Kabatc, J., 2365C

Padias, A. B. See Choi, W.-S., 3586C; Parker, D. D., 1866C

Padon, K. S.
—; Scranton, A. B.: A Mechanistic Investigation of a Three-Component Radical Photoinitiator System Comprising Methylene Blue, *N*-Methyldiethanolamine, and Diphenyliodonium Chloride, 2057C
—; Scranton, A. B.: The Effect of Oxygen on the Three-Component Radical Photoinitiator System: Methylene Blue, *N*-Methyldiethanolamine, and Diphenyliodonium Chloride, 3336C

Pae, Y.
—; Harris, F. W.: Synthesis and Properties of Novel Polyimide/Nylon-6 Triblock Copolymers, 4247C

Pagnoulle, C.
—; Moussaif, N.; Riga, J.; Jérôme, R.: Reactivity of Functional SAN toward Coreactive EPR-g-MA at Planar Interface, 3682C
Pak, J.
—; Wunderlich, B.: Thermal Analysis of Paraffins as Model Compounds for Polyethylene, 2810P
Pakula, T. See Matyjaszewski, K., 2023C
Palmer, D. E.
—; McManus, N. T.; Penlidis, A.: Copolymerization with Depropagation: A Study of α-Methyl Styrene/Methyl Methacrylate in Bulk at Elevated Temperatures, 1981C
Palumbo, R. See Maglio, G., 1172C
Pan, C. See Xu, Y., 337C, 436C, 665C, 1232C
Pan, S. See Zhang, L., 1352P
Pan, Y.
—; Ford, W. T.: Ester- and Amide-Terminated Dendrimers with Alternating Amide and Ether Generations, 1533C
—; See Song, Y., 1756P; Zhang, X.-W., 2739P
Pan, Y.-X.
—; Yu, Z.-Z.; Ou, Y.-C.; Hu, G.-H.: A New Process of Fabricating Electrically Conducting Nylon 6/Graphite Nanocomposites via Intercalation Polymerization, 1626P
Panda, A.
—; Sodaye, H. S.; Acharya, R. N.; Goswami, A.; Pujari, P. K.; Sabharwal, S.; Manohar, S. B.: Positron Annihilation Studies on Radiation-Crosslinked Poly(*N*-isopropylacrylamide) Hydrogels, 3462C
Papon, E. See Tordjeman, P., 1201P
Paraskeva, S.
—; Hadjichristidis, N.: Synthesis of an Exact Graft Copolymer of Isoprene and Styrene with Two Branches, 931C
Park, C. R. See Kang, S. J., 775C, 936C
Park D. S. See Kim, J. H., 2666P
Park, E.-S.
—; Kim, M.-N.; Lee, I.-M.; Lee, H. S.; Yoon, J.-S.: Living Radical Copolymerization of Styrene/Maleic Anhydride, 2239C
Park, J. See Chun, Y. S., 2072P
Park, J.-H. See Lee, J.-H., 4185C
Park, J.-K. See Lee, J.-W., 823P
Park, J.-S. See Jung, E.-Y., 1247C
Park, J.-Y.
—; Kwon, M. H.; Park, O. O.: Nonisothermal Crystallization Behavior of SPS/APS Blends, 3001P
Park, K. M. See Chang, J.-H., 2537P
Park, K.-Y. See Lee, J.-S., 1396P
Park, L. S.
—; Han, Y. S.; Hwang, J. S.; Kim, S. D.: Synthesis of Conjugated Polymers Containing Anthracene Moiety and Their Electro-optical Properties, 3173C
Park, M. See Kim, J. K., 707P
Park, O. O. See Oh, Y. R., 509P; Park, J.-Y., 3001P
Park, S.-B. See Park, S.-W., 3059C
Park, S.-H. See Park, S.-W., 665C, 3543C
Park, S.-J.
—; Kim, T.-J.; Lee, J.-R.: Cure Behavior of Diglycidylether of Bisphenol A/Trimethylol-propane Triglycidylether Epoxy Blends Initiated by Thermal Latent Catalyst, 2114P
—; Seo, M.-K.; Lee, J.-R.: Isothermal Cure Kinetics of Epoxy/Phenol-Novolac Resin Blend System Initiated by Cationic Latent Thermal Catalyst, 2945C
Park, S.-W.
—; Park. S.-H.; Kim, W.; Suh, D.-S.; Sohn, I.-J.: Kinetics of Graft Copolymerization of Methyl Methacrylate onto Polychloroprene with Tricaprylylmethylammonium Chloride as a Phase-Transfer Catalyst, 3543C
—; Yang, S.-S.; Park, S.-H.: Erratum: The Kinetics of Radical Copolymerization of Acrylonitrile and Methylcrylate with Tricaprylylmethylammonium Chloride as a Phase-Transfer Catalyst, 665C
—; Yoon, H.-S.; Park, S.-B.; Sohn, I.-J.: The Kinetics of Polycondensation of α,α'-Dichloro-*p*-xylene with 4,4′-Isopropylidenediphenol Using Benzyltriethylammonium Chloride as a Phase-Transfer Catalyst, 3059C
Park, T.
—; Dillard, D. A.; Ward, T. C.: Anisotropy in the Thermal Shrinkage of Polyimide Film, 3222P
Park, Y. D. See Han, M. J., 423C
Parker, D. D.
—; Padias, A. B.; Hall, H. K., Jr.: Synthesis and Polymerization Studies of Formaldehyde Oxime and its Derivatives, 1866C
Paronen, M. See Torkkeli, M., 1734P; Walsby, N., 1512C
Pascault, J. P. See Barbeau, Ph., 2750P
Pasch, H. See Brüll, R., 2333C; Van Reenen, A. J., 4110C
Pastor, J. M. See Tomba, J. P., 1013P
Pastore, H. O. See De A. Prado, L. A. S., 1580C
Pastukhov, A. V. See Davankov, V. A., 1553P
Patel, K. S.
—; Kohl, P. A.; Bidstrup Allen, S. A.: Dual Capacitor Technique for Measurement of Through-Plane Modulus of Thin Polymer Films, 1634P
Patil, R. C. See Ogura, K., 4343C
Patrickios, C. S. See Orphanou, M., 1457C
Patten, T. E.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1743C
—; See Troeltzsch, C., 4081C
Pattern, W. G. See Puskas, J. E., 444C
Pearson, R. A. See Hanley, S. J., 599P
Peemoeller, H. See Weglarz, W. P., 2487P
Peeters, M. See Goderis, B., 1975P
Pekcan, Ö. See Erdoğan, M., 739P
Pellegrini, N. N.
—; Composto, R. J.; Winey, K. I.: Investigating Polymer Blend Miscibility with Forward Recoil Spectrometry, 1547P
Pellegrino, J. See Yi, X., 1773P

Pelton, R. See Cong, R., 1276P; Zeng, F., 3821C
Peña, J. J. See Zárraga, A., 469P
Penczek, S.
—; Cationic Ring-Opening Polymerization (CROP) Major Mechanistic Phenomena, 1919C
—; Plate, N. A.; Litmanovich, A. D.: Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1744C
—; See Bikales, N. M., 4177C
Peng, Y. See Guan, Y., 3812C
Penlidis, A. See Chu, K.-J., 462C, 1803C; Landry, R., 2319C; Palmer, D. E., 1981C
Penning, J. P. See Liu, L.-Z., 2296P
Peppas, N. A. See Lowman, A. M., 2823P
Percec, V.
—; Asandei, A. D.; Asgarzadeh, F.; Barboiu, B.; Holerca, M. N.; Grigoras, C.: Organocopper-Catalyzed Living Radical Polymerization Initiated with Aromatic Sulfonyl Chlorides, 4353C
—; Asandei, A. D.; Asgarzadeh, F.; Bera, T. K.; Barboiu, B.: Cu^{I} and Cu^{II} Salts of Group VIA Elements as Catalysts for Living Radical Polymerization Initiated with Sulfonyl Chlorides, 3839C
—; Asandei, A. D.; Zheng, Q.: Chiral Recognition in Molecular and Macromolecular Pairs of (*S*)- and (*R*)-1-Cyano-2-methylpropyl-4′-{ 4-(8-vinyloxyoctyloxy)benzoyl}-oxy}biphenyl-4-carboxylate Enantiomers, 3631C
—; See Bikales, N. M., 4177C; Feiring, A. E., 3313C
Percot, A.
—; Zhu, X. X.; Lafleur, M.: A Simple FTIR Spectroscopic Method for the Determination of the Lower Critical Solution Temperature of *N*-Isopropylacrylamide Copolymers and Related Hydrogels, 907P
Pereña, J. M. See Cerrada, M. L., 573P
Pérez, E.
—; Benavente, R.; Quijada, R.; Narváez, A.; Galland, G. B.: Structure Characterization of Copolymers of Ethylene and 1-Octadecene, 1440P
—; See Cerrada, M. L., 573P
Perez, J. See Chazeau, L., 383P
Perng, L. H.
—; Thermal Degradation Mechanism of Poly(arylene sulfone)s by Stepwise Py-GC/MS, 583C
Pernin, S. See Cancouët, P., 837C
Petermann, J. See Lieberwirth, I., 1183P; Yan, S., 80P
Peterson, M. L. See Matyjaszewski, K., 2440C
Petrov, P.
—; Gancheva, V.; Philipova, T.; Velichkova, R.; Mateva, R.: Synthesis of Nylon-6 Triblock Copolymers with Bifunctional Polymeric Activators, 4154C
Petrović, Z. S.
—; Guo, A.; Zhang, W.: Structure and Properties of Polyurethanes Based on Halogenated and Nonhalogenated Soy–Polyols, 4062C
—; See Guo, A., 3900C
Pham, H. H.
—; Winnik, M. A.: Synthesis, Characterization, and Stability of Carbodiimide Groups in Carbodiimide-Functionalized Latex Dispersions and Films, 855C
Philipova, T. See Petrov, P., 4154C
Phillips, P. J. See Kim, M.-H., 154P
Phillips, R. A.
—; Macromorphology of Polypropylene Homopolymer Tacticity Mixtures, 1947P
—; See Wang, Z.-G., 2580P
Pichot, C. See Guillermo, A., 889P; Lacroix-Desmazes, P., 3845C
Pieper, T. See Beginn, U., 2041C
Pillai, V. N. R. See Suresh, P. S., 161C
Pinnau, I. See Bondar, V. I., 2051P; Higuchi, A., 1749P; Merkel, T. C., 415P; Nagai, K., 1474P
Piñol, M. See Oriol, L., 4466C
Pinto, J. C. See Sayer, C., 367C, 1100C
Pispas, S.
—; Hadjichristidis, N.: Block Copolymers with Zwitterionic Groups at Specific Sites: Synthesis and Aggregation Behavior in Dilute Solutions, 3791C
—; See Hadjichristidis, N., 3211C
Pissis, P. See Georgoussis, G., 3070P
Pitsikalis, M. See Hadjichristidis, N., 3211C
Plate, N. A. See Penczek, S., 1744C
Plivelic, T. See Singh, M. A., 2457P
Po, R.
—; Santi, R.; Cardaci, M. A.: Polymerization of 1,3-Cyclohexadiene with Nickel/MAO Catalytic Systems, 3004C
Podkościelny, W. See Kultys, A., 1767C
Poelsma, S. See Oriol, L., 4466C
Pojman, J. A. See Fortenberry, D. I., 1129C; Masere, J., 3984C
Ponomarev, A. L.
—; Sewell, T. D.; Durning, C. J.: Surface Diffusion and Relaxation of Partially Adsorbed Polymers, 1146P
Ponrathnam, S. See Vohra, V., 962C
Portnoy, J. See Yi, X., 1773P
Pospiech, D. See Friedel, P., 1617P
Pothan, L. A.
—; Zimmermann, Y.; Thomas, S.; Spange, S.: Determination of Polarity Parameters of Chemically Modified Cellulose Fibers by Means of the Solvatochromic Technique, 2546P
Pracitto, R. See Gitsov, I., 2711C
Pradel, J. L.
—; Boutevin, B.; Ameduri, B.: Controlled Radical Polymerization of 1,3-Butadiene. II. Initiation by Hydrogen Peroxide and Reversible Termination by TEMPO, 3293C
Pramoda, K. P. See Chen, W.-Y., 138P; Chung, T. S., 1449P
Probst, N. See Kricheldorf, H. R., 3656C
Prud'Homme, R. E. See Messé, L., 1405P
Pu, Y.-J.
—; Soma, M.; Tsuchida, E.; Nishide, H.: Synthesis, Magnetic, and Optoelectronic Properties of Poly(triphenyl-

amine-*alt*-phenylenevinylene)s, 4119C
Pucci, P. A. See Strumia, M. C., 2779C
Pujari, P. K. See Panda, A., 3462C
Puskas, J. E.
—; Brister, L. B.; Michel, A. J.; Lanzendörfer, M. G.; Jamieson, D.; Pattern, W. G.: Novel Substituted Epoxide Initiators for the Carbocationic Polymerization of Isobutylene, 444C
Pyda, M.
—; Wunderlich, B.: Reversible and Irreversible Heat Capacity of Poly(trimethylene terephthalate) Analyzed by Temperature-Modulated Differential Scanning Calorimetry, 622P
—; See Kwon, Y. K., 319P
Pyriadi, T. M.
—; Abdulameer, I.: Preparation of Phenol Formaldehyde Resins Containing Pendant Isoimides and Their Isomerization to Stable Resins, 3244C

Qi, C.
—; Wei, W.; Wu, Y.; Zhang, S.; Haijun, W.; Li, H.; Wang, T.; Yan, F.: Effect of Polymer Polarity on the Positronium Formation, 435P
Qian, Y. See Liu, J., 1639C
Qiang, J. See Wang, M., 474C
Qin, D.-Q.
—; Qin, S.-H.; Qiu, K.-Y.: Living/Controlled Radical Polymerization of Styrene with a New Initiating System: DCDPS/$FeCl_3$/PPh_3, 101C
Qin, H.-H.
—; Dong, J.-H.; Qiu, K.-Y.; Wei, Y.: Preparation of Poly(methyl acrylate-*co*-itaconic anhydride)/SiO_2 Hybrid Materials via the Sol-Gel Process—The Effect of the Coupling Agent, Inorganic Content, and Nature of the Catalyst, 321C
Qin, S.-H.
—; Qiu, K.-Y.: Polymerization of Vinyl Monomers Using a Novel Trifunctional Iniferter, 2115C
—; See Qin, D.-Q., 101C
Qing, L. Y. See Uchida, Y., 2923P
Qiu, K.-Y. See Dong, C.-M., 4179C; Qin, D.-Q., 101C; Qin, H.-H., 321C; Qin, S.-H., 2115C
Qiu, X.
—; Ediger, M. D.: Branching Effects on the Segmental Dynamics of Polyethylene Melts, 2634P
Qiu, Z.
—; Mo, Z.; Zhang, H.; Sheng, S.; Song, C.: Isothermal Melt and Cold Crystallization Kinetics of Poly(aryl ether ketone ether ketone ketone), 1992P
Qu, B.
—; Xu, Y.; Ding, L.; Rånby, B.: A New Mechanism of Benzophenone Photoreduction in Photoinitiated Crosslinking of Polyethylene and Its Model Compounds, 999C
Quijada, R. See Pérez, E., 1440P
Quirk, R. P.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1745C
—; Lee, Y.: Quantitative Amine Functionalization of Polymeric Organolithium Compounds with 3-Dimethylaminopropyl Chloride in the Presence of Lithium Chloride, 145C
Qureshi, N.
—; Stepanov, E. V.; Schiraldi, D.; Hiltner, A.; Baer, E.: Oxygen-Barrier Properties of Oriented and Heat-Set Poly(ethylene terephthalate), 1679P

Rabek, J. F. See Jakubiak, J., 876C
Rabenstein, M. See Kricheldorf, H. R., 3019C
Radhakrishnan, G. See Gnanarajan, T. P., 4032C
Radhakrishnan, J.
—; Dikshit, A. K.; Kaito, A.: Structure Formation During Isothermal Crystallization of Oriented Isotactic Polystyrene, 2912P
Radic, D. See Díaz-Calleja, R., 2179P
Radler, M. J. See So, Y.-H., 1283C
Radojcic, M. See Kuljanin, J., 1729P
Radovanovic, E. See De A. Prado, L. A. S., 1580C
Rahman, M. S.
—; Hashimoto, T.; Kodaira, T.: Cationic Polymerization of Vinyl Ether with a Benzoate Pendant: The Formation of Long-Lived Polymers and the Identification of Side Reactions, 4362C
Raja, S. See Nasrullah, J. M., 453C
Rajan, C. R. See Vohra, V., 962C
Ramakrishnan, S. See Jayakannan, M., 261C, 2635C
Ramamurthy, K. See George, J., 1104P
Ramírez, C. See Barral, L., 351P
Ramos, J. See Muñoz-Escalona, A., 571C
Ramzi, A. See Bauer, B. J., 95P
Rana, D.
—; Bag, K.; Bhattacharyya, S. N.; Mandal, B. M.: Miscibility of Poly(styrene-*co*-butyl acrylate) with Poly(ethyl methacrylate): Existence of Both UCST and LCST, 369P
Rånby, B. See Qu, B., 999C
Rasmussen, J. K. See Masere, J., 3984C
Rasmussen, P. G. See Jang, T., 3828C
Rathore, O.
—; Winningham, M. J.; Sogah, D. Y.: A Novel Silk-Based Segmented Block Copolymer Containing GlyAlaGlyAla β-Sheets Templated by Phenoxathiin, 352C
Ratsimihety, A. See Boutevin, B., 3722C
Raubenheimer, H. G. See Brüll, R., 2333C; Van Reenen, A. J., 4110C
Rebelo, L. P. N. See De Sousa, H. C., 632P
Rees, I. See Desai, A., 1033C
Regaño, C.
—; Martínez de Ilarduya, A.; Iribarren, J. I.; Muñoz-Guerra, S.: Poly(ester amide)s Derived from L-Tartaric Acid and Amino Alcohols. II. Aregic Polymers, 2687C
Reghunadhan Nair, C. P. See Bindu, R. L., 641C
Register, R. A. See Loo, Y.-L., 2564P
Reis-Nunes, R. C.
—; Compañ, V.; Riande, E.: Gas Transport in Vulcanized

Natural Rubber-Cellulose. II. Composites, 393P
Remnant, V. A. See Gitsov, I., 2711C
Reynaers, H. See Evmenenko, G., 2851P; Goderis, B., 1975P
Riande, E. See Díaz-Calleja, R., 2179P; García, N., 3883C; Reis-Nunes, R. C., 393P
Ricci, A. See Giardina, G., 2603C
Riga, J. See Pagnoulle, C., 3682C
Rimdusit, S.
—; Ishida, H.: Synergism and Multiple Mechanical Relaxations Observed in Ternary Systems Based on Benzoxazine, Epoxy, and Phenolic Resins, 1687P
Rivera, F. See Desai, A., 1033C
Rizzardo, E. See Darling, T. R., 1706C, 1709C
Roberts, C. C.
—; Apple, T. M.; Wnek, G. E.: Curing Chemistry of Phenylethynyl-Terminated Imide Oligomers: Synthesis of ^{13}C-Labeled Oligomers and Solid-State NMR Studies, 3486C
Roberts, K. N.
—; Simon, G. P.; Cook, W. D.; Burchill, P. J.: Thermal Behavior of Core-Shell Rubber/Styrene Monomer Gels, 3136P
Robertson, C. G. See Casalini, R., 1841P
Rochery, M.
—; Lam, T. M.: Chemorheology of Polyurethane. I. Vitrification and Gelation Studies, 544P
Rochon, P. See Xu, Z.-S., 2245C
Rodríguez-Pérez, M. A. See Almanza, O. A., 993P
Roland, C. M. See Casalini, R., 1841P
Romero, R. J. See Wang, H.-L., 194P
Roscoe, S. B.
—; Gong, C.; Fréchet, J. M. J.; Walzer, J. F.: Functionalized Polystyrene as a Versatile Support for Olefin Polymerization Catalysts, 2979C
Rosi, P. See Giardina, G., 2603C
Rossi, A. See Zhao, X., 3802C
Rousseau, A. See Andre, S., 2993C
Royer, J. R.
—; Gay, Y. J.; Desimone, J. M.; Khan, S. A.: High-Pressure Rheology of Polystyrene Melts Plasticized with CO_2: Experimental Measurement and Predictive Scaling Relationships, 3168P
—; See McCormick, J. A., 2468P
Rozenberg, R. See Vermylen, V., 416C
Ruch, F.
—; David, M. O.; Vallat, M. F.: Adhesion in EPDM Joints: Role of the Interdiffusion Mechanism on Interfacial Co-crosslinking, 3189P
Ruckenstein, E.
—; Chen, X.: Crosslinking of Chlorine-Containing Polymers by Dicyclopentadiene Dicarboxylic Salts, 818C
—; Yin, W.: SiO_2-Poly(amido-amine) Dendrimer Inorganic/Organic Hybrids, 1443C
—; Zhang, H.: A Successive Route to Amphiphilic Graft Copolymers with a Hydrophilic Poly(3-hydroxypropyl methacrylate) Backbone and Hydrophobic Polystyrene Side Chains, 1195C
—; Zhang, H.: Polyaddition of Divinyloxyl Compounds with Diphenol or Diol to Novel Degradable Polymers, 1848C
—; See Chen, X., 1662C, 4373C; Zhang, H., 3751C
Rudé, E. See Llorens, J., 1539P
Rudin, A. See Weglarz, W. P., 2487P
Ruff, C. R. See Ashbaugh, J. R., 1680C
Rufs, A. M. See Encinas, M. V., 2269C
Ruggeri, G. See Covolan, V. L., 2910C
Runge, M.
—; O'Hagan, D.; Haufe, G.: Lipase-Catalyzed Polymerization of Fluorinated Lactones and Fluorinated Hydroxycarboxylic Acids, 2004C
Russell, A. J. See Andreopoulos, F. M., 1466C
Russell, K. E. See Clark, D. C., 2456C
Russo, A. P.
—; Nauman, E. B.: Modeling the Effect of Compatibilizers in the Coarsening of Ternary Polymer Blends with Core-Shell Morphology, 1301P
Ruzmaikina, I. See Das, P. K., 1931P
Ryan, A. J. See Goderis, B., 1975P
Rytter, E. See Wigum, H., 3161C; Ystenes, M., 3106C, 3450C
Ryu, J.-H. See Choi, J.-H., 942P
Ryu, M. See Kim, C., 764C
Rzaev, Z. M. O. See Medyakova, L. V., 2652C

Sabharwal, S. See Panda, A., 3462C
Saçak, M. See Karakişla, M., 51C
Sachinvala, N. D.
—; Winsor, D. L.; Hamed, O. A.; Maskos, K.; Niemczura, W. P.; Tregre, G. J.; Glasser, W.; Bertoniere, N. R.: The Physical and NMR Characterizations of Allyl- and Crotylcelluloses, 1889C
Saegusa, Y.
—; Sakai, T.: Preparation and Characterization of Fluorine-Containing Aromatic Condensation Polymers. VII. Aromatic Polyacetals and Copolyacetals from 2,2-Bis(4-hydroxyphenyl)-1,1,1,3,3,3-hexafluoropropane and/or 2,2-Bis(4-hydroxyphenyl)propane and 2-(Trifluoromethyl)benzal Chloride, 1873C
Safir, A. L. See Turner, H. W., 1750C
Saha, S. K. See Bhattacharyya, S., 1193P
Sahre, K. See Dlubek, G., 3062P
Saito, C. See Nishikubo, T., 3604C
Saito, K.
—; Takahashi, Y.; Sorai, M.: Heat Capacity and Thermodynamic Functions of Crystalline Poly(*p*-phenylenebenzobisoxazole), the Synthetic Polymer with the Highest Young's Modulus, 1584P
Saito, R.
—; Fujita, A.; Ichimura, A.; Ishizu, K.: Synthesis of Microspheres with Microphase-Separated Shells, 2091C
Saitoh, H. See Shi, L., 2794C; Yang, M., 3569C
Saiz, E. See Díaz-Calleja, R., 2179P
Sajjadi, S.
—; Particle Formation and Coagulation in the Seeded Semibatch Emulsion Polymerization of Butyl Acrylate, 3612C

—; Brooks, B. W.: Unseeded Semibatch Emulsion Polymerization of Butyl Acrylate: Bimodal Particle Size Distribution, 528C
Sakai, T. See Saegusa, Y., 1873C; Tobita, H., 2333P, 2342P
Sakamoto, M. See Mochizuki, A., 329C
Sakaue, H. See Sakurai, S., 1716P
Sakurai, S.
—; Okamoto, Y.; Sakaue, H.; Nakamura, T.; Banda, L.; Nomura, S.: Structure and Properties of Segmented Poly(urethaneurea)s with Relatively Short Hard-Segment Chains, 1716P
Salamone, J. C.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1747C
Salem, D. R. See Vasanthan, N., 516P
Salovey, R. See Li, J. Q., 3181C; Li, X., 1323C
Salvadó, V. See Sánchez, J. M., 269C
Samaranayake, G. See Sealey, J. E., 486P
Samon, J. M.
—; Schultz, J. M.; Hsiao, B. S.; Wu, J.; Khot, S.: Structure Development during Melt Spinning and Subsequent Annealing of Polybutene-1 Fibers, 1872P Samuel, J. D. J. S.; Dhamodharan, R.; Ober, C. K.: A Solvent-Free Method for the Synthesis of Block Copolymers with Fluorinated Pendant Groups by a Hydrosilylation Reaction, 1179C
Sánchez de la Blanca, E.
—; Carrillo, I.; González-Tejera, M. J.; Hernández-Fuentes, I.: Structure of Polyfurane/Perchlorate Doped Films by FTIR Spectroscopy: Effect of the Synthesis Conditions, 291C
Sánchez, J. M.
—; Hidalgo, M.; Valiente, M.; Salvadó, V.: New Macroporous Polymers for the Selective Adsorption of Gold (III) and Palladium (II). I. The Synthesis, Characterization, and Effect of Spacers on Metal Adsorption, 269C
Sanchez, J.-Y. See Alloin, F., 2900C
Sanchis, M. J. See Díaz-Calleja, R., 2179P
Sanda, F.
—; Jirakanjana, D.; Hitomi, M.; Endo, T.: Cationic Ring-Opening Polymerization of ϵ-Thionocaprolactone: Selective Formation of Polythioester, 4057C
—; See Kirino, M., 3428C; Liu, T., 504C; Miyagawa, T., 1861C; Nishida, H., 68C; Steblyanko, A., 2375C; Yamamoto, S.-I., 2075C
Sanders, D. P. See Ishida, H., 3289P
Sanderson, R. See Brüll, R., 2333C
Sanderson, R. D. See Van Reenen, A. J., 4110C
Sano, M. See Kanekiyo, Y., 1302C
Sano, T. See Jin, J., 3355C; Uozumi, T., 1844C
San Roman, J. See Abraham, G. A., 1355C
Santamaría, A. See Zárraga, A., 469P
Santi, R. See Po, R., 3004C
Sarakha, M. See Billaud, C., 3997C
Sargent, J. R.
—; Weber, W. P.: Novel Synthesis of Triblock PDMS-PS-PDMS Copolymers, 482C
Sarma, A. See Gupta, S., 1589P
Sasaki, S.
—; Kondo, K.: New Degradable Polyethers Based on the Tautomerism of Pyrimidine Bases in the Main Chain, 198C
Sato, H. See Kimura, K., 3399C
Sato, T.
—; Miyoshi, T.; Seno, M.: Kinetic Study on the Radical Polymerization of 2-Methacryloyloxyethyl Phosphorylcholine, 509C
—; Tada, S.-I.; Seno, M.; Hirano, T.: Kinetic and ESR Studies on the Radical Polymerization of α-*N*-(α′-Methylbenzyl) β-Ethyl Itaconamates Derived from Racemic and (*S*)-α-Methylbenzylamines, 4137C
—; See Hirano, T., 2487C; Seno, M., 2098C, 2572C, 4264C
Satoh, K.
—; Kamigaito, M.; Sawamoto, M.: Sulfonic Acids as Water-Soluble Initiators for Cationic Polymerization in Aqueous Media with $Yb(OTf)_3$, 2728C
Satoh, M. See Nishiyama, Y., 2791P
Sauer, J. A. See Tsou, L., 1369P, 1377P
Sauvet, G. See Cancouët, P., 826C, 837C
Sawai, D.
—; Miyamoto, M.; Kanamoto, T.; Ito, M.: Lamellar Thickening in Nascent Poly(acrylonitrile) upon Annealing, 2571P
Sawamoto, M.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1748C
—; See Katayama, H., 4023C; Satoh, K., 2728C
Saxena, N. S. See Agrawal, R., 916P
Sayer, C.
—; Lima, E. L.; Pinto, J. C.; Arzamendi, G.; Asua, J. M.: Kinetics of the Seeded Semicontinuous Emulsion Copolymerization of Methyl Methacrylate and Butyl Acrylate, 367C
—; Lima, E. L.; Pinto, J. C.; Arzamendi, G.; Asua, J. M.: Molecular Weight Distribution in Composition Controlled Emulsion Copolymerization, 1100C
Scaffaro, R.
—; Carianni, G.; La Mantia, F. P.; Zerroukhi, A.; Mignard, N.; Granger, R.; Arsac, A.; Guillet, J.: On the Modification of the Nitrile Groups of Acrylonitrile/Butadiene/Styrene into Oxazoline in the Melt, 1795C
Schaetzel, P. See Marais, S., 1998P
Schellekens, M. A. J. See De Brouwer, H., 3596C
Schellenberg, J.
—; The Syndiospecific Polymerization of Styrene in the Presence of Fluorine-Containing Half-Sandwich Metallocenes, 2428C
—; Newman, T. H.: The Influence of Phenylsilane on the Syndiotactic Polymerization of Styrene with η^5-Pentamethylcyclopentadienyl Titanium Trifluoride, 3476C
Scherrenberg, R. L. See Bauer, B. J., 95P

Schiraldi, D. See Qureshi, N., 1679P
Schiraldi, D. A. See Connor, D. M., 1291C; Vargas, M., 2167C
Schitter, R. See Brzezinska, K. R., 1544C
Schmack, G.
—; Jehnichen, D.; Vogel, R.; Tändler, B.: Biodegradable Fibers of Poly(3-hydroxybutyrate) Produced by High-Speed Melt Spinning and Spin Drawing, 2841P
Schmidt, D. L. See So, Y.-H., 1283C
Schreiber, H. P. See Liang, H., 2096P
Schultz, A. R. See Wang, S., 2409P
Schultz, J. M. See Samon, J. M., 1872P Schulz, D. N. See Kacker, S., 752C
Schultze, X. See Deleuze, H., 2879C
Schulz, G. See Kricheldorf, H. R., 3019C
Schwarz, G. See Kricheldorf, H. R., 3019C, 3656C; Li, Y.-S., 1630C
Schweer, J. See Jančo, M., 2767C
Schwegler, L. A.
—; Meyer-Pundsack, C.; Möller, M.: Synthesis of Polyethylene Oxide Graft Polysilylenes and Networks Based on Poly(di-*n*-pentylsilylene/*n*-pentyloct-7-enyl) Copolymers, 2306C
Scola, D. A. See Fang, X., 1379C, 2526C
Scott, D. C. See Marks, M. J., 560C
Scranton, A. B. See Padon, K. S., 2057C, 3336C
Scriven, L. E. See Cheng, L., 10P
Sealey, J. E.
—; Frazier, C. E.; Samaranayake, G.; Glasser, W. G.: Novel Cellulose Derivatives. V. Synthesis and Thermal Properties of Esters with Trifluoroethoxy Acetic Acid, 486P
Šebenik, A. See Mav, I., 3390C
Seguchi, T. See Yamazaki, T., 3092C, 3383C
Seita, Y. See Mochizuki, A., 1045C
Seng, W. P. See Tam, K. C., 2019P
Şenkal, B. F. See Biçak, N., 1006C
Seno, M.
—; Fukui, T.; Hirano, T.; Sato, T.: Kinetic and ESR Studies on Radical Polymerization Behavior of *N*-(2-Phenylethoxycarbonyl)methacrylamide, 4264C
—; Ikezumi, T.; Sumie, T.; Masuda, Y.; Sato, T.: Asymmetric Cyclopolymerization of *N-tert*-Butyl-*N*-allylacrylamide in the Presence of β-Cyclodextrin, 2098C
—; Maeda, M.; Sato, T.: Effect of Fullerene on Radical Polymerization of Vinyl Acetate, 2572C
—; See Hirano, T., 2487C; Sato, T., 509C, 4137C
Senoo, K.
—; Endo, K.: Isospecific Copolymerization of Styrene and a Styrene-Terminated Polyisoprene Macromonomer with the Ni(acac)$_2$/MAO Catalyst, 1241C
Senshu, K. See Mochizuki, A., 1045C
Seo, J.
—; Jeon, J.; Shul, Y. G.; Han, H.: Water Sorption and Activation Energy in Polyimide Thin Films, 2714P
Seo, M.-K. See Park, S.-J., 2945C
Seppälä, J. V. See Kokko, E., 376C
Serimaa, R. See Torkkeli, M., 1734P
Serizawa, T. See Chen, M.-Q., 1811C; Yamamoto, K., 3674C
Serrano, J. L. See Oriol, L., 4466C
Sewell, T. D. See Ponomarev, A. L., 1146P
Shaffer, T. D. See Ashbaugh, J. R., 1680C
Shapoval, P. See Horák, D., 3855C
Shattuck, J. C. See Nguyen, B. N., 2645C
Shau, M.-D. See Chin, W.-K., 2033P
Shaw, H.-Y. See Cheng, L.-P., 747P
Shea, M. See Singh, M. A., 2457P
Sheares, V. V.
—; Wu, L.; Li, Y.; Emmick, T. K.: Polar, Functionalized Diene-Based Material. III. Free-Radical Polymerization of 2-(*N,N*-dialkylamino)methyl]-1,3-butadienes, 4070C
Shen, Y. See Zeng, F., 3821C
Sheng, S. See Qiu, Z., 1992P
Sherrington, D. C. See Deleuze, H., 2879C
Sherwood, M. See Ito, H., 3521C
Sheu, J.-C. See Chern, C.-S., 3188C
Shi, L.
—; Saitoh, H.; Shibasaki, Y.: Study on Thermal Degradation Mechanisms of Comb Polyacrylates Containing Long Fluorocarbon Side Chains by TG/FTIR, 2794C
—; Wan, D.; Huang, J.: Controllability of Radical Copolymerization of Maleimide and Ethyl α-(*n*-Propyl)acrylate Using 1,1,2,2-Tetraphenyl-1,2-bis(trimethylsilyloxy) Ethane as Initiator, 2872C
—; See Lin, Z., 2548C
Shi, Y. See Huang, L., 730C
Shibasaki, Y. See Shi, L., 2794C; Yang, M., 3569C
Shiho, H.
—; DeSimone, J. M.: Dispersion Polymerization of 2-Hydroxyethyl Methacrylate in Supercritical Carbon Dioxide, 3783C
—; DeSimone, J. M.: Dispersion Polymerization of Styrene in Supercritical Carbon Dioxide Utilizing Random Copolymers Containing a Fluorinated Acrylate for Preparing Micron-Size Polystyrene Particles, 1146C
—; DeSimone, J. M.: Preparation of Silicone-Graft Copolymers by Homogeneous Radical Copolymerization in Supercritical Carbon Dioxide, 1139C
—; DeSimone, J. M.: Radical Polymerizations of a Silicone-Containing Acrylic Monomer in Supercritical Carbon Dioxide, 3100C
Shiigi, H. See Ogura, K., 4343C
Shim, J. S.
—; Kennedy, J. P.: Novel Thermoplastic Elastomers. III. Synthesis, Characterization, and Properties of Star-Block Copolymers of Poly(indene-*b*-isobutylene) Arms Emanating from Cyclosiloxane Cores, 279C
Shim, S. C. See Jeon, S.-J., 2663C

Shimazu, A.
—; Miyazaki, T.; Maeda, M.; Ikeda, K.: Relationships between the Chemical Structures and the Solubility, Diffusivity, and Permselectivity of Propylene and Propane in 6FDA-Based Polyimides, 2525P
Shimizu, H. See Inomata, K., 1331P
Shimizu, M. See Oku, H., 4524C
Shimomura, O.
—; Tomita, I.; Endo, T.: Application of *S*-Alkylsulfonium Salts of Aromatic Sulfides as New Thermal Latent Cationic Initiators, 18C
Shin, D.-C.
—; Ahn, J.-H.; Kim, Y.-H.; Kwon, S.-K.: Synthesis and Electroluminescent Properties of a Novel 1,3,4-Oxadiazole-Containing Polymer, 3086C
Shin, Y. J. See Kim, B. K., 2652P
Shin, Y. S. See Kim, I., 1520C, 1590C
Shinkai, S. See Kanekiyo, Y., 1302C
Shinoda, T.
—; Nishiwaki, T.; Inoue, H.: Decomposition of Poly(4-hydroxystyrene sulfone) in Alkaline Aqueous Solutions, 2760C
Shiomi, T. See Mizawa, T., 237C
Shipp, D. A. See Matyjaszewski, K., 2023C
Shirai, M. See Suyama, K., 3043C
Shoichet, M. S. See Lousenberg, R. D., 1344C
Shul, Y. See Chung, H., 2879P
Shul, Y. G. See Seo, J., 2714P
Shyu, S.-S. See Mi, F.-L., 2804C
Siegmann, A. See Nir, Y., 813P
Sikorski, P. See Jones, N. A., 3302P
Silva, A. S. See Bodnár, I., 857P, 874P
Silva, E. T. See Del Valle, M. A., 1698C
Silva, G. G. See Machado, J. C., 1045P
Simmons, M. R. See Orphanou, M., 1457C
Simon, G. P. See Cheah, K., 3106P; Roberts, K. N., 3136P
Simonsick, W. J., Jr. See Gridnev, A. A., 1911C
Singh, M. A.
—; Hutanu, R.; Shea, M.; Fraser, R.; Plivelic, T.; Handa, Y. P.: Characterization of the Effects of Compressed Gas Annealing on Semicrystalline Polymers, 2457P
Sipos, L. See Borda, J., 2925C
Şişmanoğlu, T. See Biçak, N., 1006C
Sissano, J. A. See Kacker, S., 752C
Sjöberg, M. See Monteiro, M. J., 4206C
Skrifvars, M. See Liu, H., 3074C, 4457C
Smith, P. B. See So, Y.-H., 1283C
So, Y.-H.
—; Schmidt, D. L.; Bishop, M. T.; Miller, D. R.; Smith, P. B.; Radler, M. J.; Magyar, M.; Kaliszewski, B. L.: Polymers from Aryl Cyclic Sulfonium Zwitterions—Photosensitive Materials Cast from and Developed in Water, 1283C
Soares, J. B. P.
—; Abbott, R. F.; Kim, J. D.: Environmental Stress Cracking Resistance of Polyethylene: The Use of CRYSTAF and SEC to Establish Structure–Property Relationships, 1267P
—; Kim, J. D.: Copolymerization of Ethylene and α-Olefins with Combined Metallocene Catalysts. I. A Formal Criterion for Molecular Weight Bimodality, 1408C
—; See Chu, K.-J., 462C, 1803C; Kim, J. D., 1417C, 1427C
Soares, L. S. See Machado, J. C., 1045P
Sodaye, H. S. See Panda, A., 3462C
Sogah, D. Y. See Rathore, O., 352C
Soga, K. See Uozumi, T., 1844C
Sohn, I.-J. See Park, S.-W., 3059C, 3543C
Sokolov, A. P. See Kisliuk, A., 2785P
Soles, C. L.
—; Chang, F. T.; Gidley, D. W.; Yee, A. F.: Contributions of the Nanovoid Structure to the Kinetics of Moisture Transport in Epoxy Resins, 776P
—; Yee, A. F.: A Discussion of the Molecular Mechanisms of Moisture Transport in Epoxy Resins, 792P
Soma, M. See Pu, Y.-J., 4119C
Someswara Rao, S. See Varkey, J. T., 2189P
Song, C. See Qiu, Z., 1992P
Song, J.-M. See Jo, W. H., 1005P
Song, X. L. See Boey, F. Y. C., 907C
Song, Y.
—; Pan, Y.; Zheng, Q.; Yi, X.-S.: The Electric Self-Heating Behavior of Graphite-Filled High-Density Polyethylene Composites, 1756P
Son, W.-K.
—; Kim, S. H.; Kim, T. I.: Calculation on Ion Exchange Capacity for an Ion Exchanger Using the Potentiometric Titration, 3181P
Sorai, M. See Saito, K., 1584P
Spange, S. See Pothan, L. A., 2546P
Sparnacci, K.
—; Tondelli, L.; Laus, M.: Core-Shell Functional Nanospheres for Oligonucleotide Delivery. III. Stealth Nanospheres, 3347C
—; See Laus, M., 1110C
Sperling, L. H. See Hanley, S. J., 599P
Spěváček, J. See Horák, D., 653C; Toman, L., 1568C
Spiess, H. W. See Maring, D., 2611P
Spry, R. J. See Dang, T. D., 1991C
Sreekala, M. S. See Agrawal, R., 916P
Srinivasan, M. See Suresh, P. S., 161C
Starner, W. E. See Marsella, J. A., 921C
Steblyanko, A.
—; Choi, W.; Sanda, F.; Endo, T.: Addition of Five-Membered Cyclic Carbonate with Amine and Its Application to Polymer Synthesis, 2375C
Stenger-Smith, J. D.
—; Zarras, P.; Hollins, R. A.; Chafin, A. P.; Merwin, L. H.; Yee, R.; Lindsay, G. A.; Herman, W. N.; Gratz, R. F.; Nickel, E. G.: Main-Chain Syndioregic Nonlinear Optical Polymers. II. Extended Pi Conjugation and

Improved Thermal Properties, 2824C
Stepanov, E. V. See Qureshi, N., 1679P
Stevens, M. P. See Nguyen, B. N., 2645C
Steward, A. G. See Bon, S. A. F., 2678C
Stewart, F. D. See Masere, J., 3984C
Støvneng, J. A. See Wigum, H., 3161C; Ystenes, M., 3106C, 3450C
Stridsberg, K.
—; Albertsson, A.-C.: Controlled Ring-Opening Polymerization of L-lactide and 1,5-Dioxepan-2-one Forming a Triblock Copolymer, 1774C
Striegel, A. M.
—; Krejsa, M. R.: Complementarity of Universal Calibration SEC and ^{13}C NMR in Determining the Branching State of Polyethylene, 3120P
Strumia, M. C.
—; Halabi, A.; Pucci, P. A.; Newkome, G. R.; Moorefield, C. N.; Epperson, J. D.: Surface Modification of Activated Polymeric Matrices by Dendritic Attachments, 2779C
—; See Alvarez, C. I., 489C
Su, A. See Tan, S., 53P
Su, A. C. See Lin, R. H., 726P
Šubrt, M. See Horák, D., 1161C
Sudha, J. D.
—; Synthesis and Characterization of Hydrogen-Bonded Thermotropic Liquid Crystalline Aromatic-Aliphatic Poly(ester–amide)s from Amido Diol, 2469C
Sudo, A.
—; Igarashi, K.; Endo, T.: Rapid Communication: Novel Polyaddition System for Poly(dithiohydantoin) through Zwitter Ion Derived from Diisothiocyanate and Tetraaminoethylene, 4200C
—; Uchino, S.; Endo, T.: Living Anionic Polymerization of Ethylphenylketene: A Novel Approach to Well-Defined Polyester Synthesis, 1073C
—; See Gao, X., 2536C
Sudol, E. D. See Erdem, B., 4419C, 4431C, 4441C
Sugihara, S. See Aoshima, S., 3962C
Sugiyama, J.-I. See Nishio, A., 2106C
Sugiyama, K.
—; Hanamura, R.; Sugiyama, M.: Assembly of Poly *N*-(2-hydroxypropyl)methacrylamide] Having Cholesteryl Moiety as Terminal Groups, 3369C
Sugiyama, M. See Sugiyama, K., 3369C
Suh, D.-S. See Park, S.-W., 3543C
Suh, K.-D. See Kim, J.-Y., 1903P, 2081P; Lee, J.-S., 1396P
Sui, Y. See Li, L., 1943C
Suib, S. L. See Jordan, K. J., 3690C
Sul, H. See Takahashi, Y., 376P
Suma, Y. See Wang, H., 1800P, 2954P
Sumie, T. See Seno, M., 2098C
Sumpter, B. G. See Fukui, K., 1812P
Sun, J. See Forsyth, M., 341P
Sun, J. B. See Chun, Y. S., 2072P
Sun, S.-J.
—; Liao, Y.-C.; Chang, T.-C.: Studies on the Synthesis and Properties of Thermotropic Liquid Crystalline Polycarbonates. VII. Liquid Crystalline Polycarbonates and Poly(ester-carbonate)s Derived from Various Mesogenic Groups, 1852C
Sun, X. See Chai, Z., 3270C
Sun, Y. S.
—; Woo, E. M.: Mechanisms of Reorganization of Lamellae in Syndiotactic Polystyrene, 3210P
Sundholm, F. See Hietala, S., 3277P; Torkkeli, M., 1734P; Walsby, N., 1512C
Sung, H.-W. See Mi, F.-L., 2804C
Suresh, P. S.
—; Srinivasan, M.; Pillai, V. N. R.: Copolymers of Polystyrene—New Polymer Supports for Asymmetric Epoxidation of Allylic Alcohols, 161C
Suresh, S. See Vohra, V., 962C
Suwier, D. R.
—; Teerenstra, M. N.; Vanhaecht, B.; Koning, C. E.: Flexibilized Styrene-*N*-Substituted Maleimide Copolymers. II. Multiblock Copolymers Prepared from PTHF-Based Iniferters, 3558C
—; See Teerenstra, M. N., 3550C
Suyama, K.
—; Yamaguchi, S.; Shirai, M.; Tsunooka, M.: Image Formation by Dyeing of Copolymers Bearing Photogenerated Acid and Base Groups with Dye Bath Containing Acid and Basic Dyes, 3043C
Suzuki, A.
—; Koide, C.: High-Performance Poly(ethylene-2,6-naphthalate) Fiber Prepared by High-Tension Annealing, 61P
—; Koito, K.: Strain-Rate Dependence of the Microstructure and Mechanical Properties for Hot-Air-Drawn Nylon 6 Fibers, 1137P
—; See Ohtani, H., 1880C
Suzuki, H.
—; Abe, T.; Takaishi, K.; Narita, M.; Hamada, F.: The Synthesis and X-Ray Structure of 1,2,3,4-Cyclobutane Tetracarboxylic Dianhydride and the Preparation of a New Type of Polyimide Showing Excellent Transparency and Heat Resistance, 108C
Suzuki, M. See Iwamura, T., 430C, 3440C
Suzuki, R. See Uedono, A., 101P
Svec, F. See Jančo, M., 2767C
Sveum, N. See Ito, H., 3521C
Swingler, S. G. See Hosier, I. L., 2309P
Sýkora, D. See Jančo, M., 2767C
Szadkowska-Nicze, M.
—; Mayer, J.: Wavelength-Selected Radiothermoluminescence of Polyethylene Doped with Pyrene, 3378C
Szafko, J.
—; Feist, W.; Pabin-Szafko, B.: Solvation Effect in the Thermal Decomposition of 2,2′-Azoisobutyronitrile in the Three-Component System, 2156C
Szwarc, M.
—; Aida, T.: Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1710C

Tabata, M.
—; Tsuruta, T.: Comments on "Living Polymerization: Rationale for Uniform

Terminology" by Darling et al., 1749C
Tada, S.-I. See Sato, T., 4137C
Taguchi, K. See Higuchi, M., 2186C
Takagi, K.
—; Hattori, T.; Kunisada, H.; Yuki, Y.: Triazine Dendrimers by Divergent and Convergent Methods, 4385C
Takahashi, T. See Hashimoto, T., 781C
Takahashi, Y.
—; Sul, H.: Crystal Structure and Structural Disorder of Poly-(*p*-phenylenebenzobis-thiazole), 376P
—; See Saito, K., 1584P
Takaishi, K. See Suzuki, H., 108C
Takayanagi, M. See Nitta, K.-H., 1037P
Takeichi, T.
—; Guo, Y.; Agag, T.: Synthesis and Characterization of Poly(urethane-benzoxazine) Films as Novel Type of Polyurethane/Phenolic Resin Composites, 4165C
—; See Agag, T., 1647C
Takenaka, K. See Mizawa, T., 237C
Takenaka, Y. See Osakada, K., 1505C
Takeshi, K. See Mochizuki, A., 329C;
Takeuchi, K. Hayakawa, T., 3875C; Nishio, A., 2106C
Takeuchi, M. See Yamamoto, T., 1348P
Tam, K. C.
—; Seng, W. P.; Jenkins, R. D.; Bassett, D. R.: Rheological and Microcalorimetric Studies of a Model Alkali-Soluble Associative Polymer (HASE) in Nonionic Surfactant Solutions, 2019P
Tan, K. L. See Liu, Y. X., 80C
Tan, S.
—; Su, A.; Li, W.; Zhou, E.: New Insight into Melting and Crystallization Behavior in Semicrystalline Poly(ethylene terephthalate), 53P
—; See Kong, X., 3230P; Wan, X.-H., 1828C
Tanaka, K. See Fang, J., 895C, 1123P; Wang, H., 1800P, 2954P
Tanaka, M. See Desurmont, G., 4095C
Tanaka, T. See Inoue, S.-I., 1436P
Tändler, B. See Schmack, G., 2841P
Tangen, L. See Wigum, H., 3161C
Tanigaki, N. See Kaito, A., 698P
Tanigawa, S. See Uedono, A., 101P
Tani, N. See Tobita, H., 2333P, 2342P
Tao, G. See Bergbreiter, D. E., 3944C
Tao, L. See Xu, Y., 436C
Tao, Y. See Lu, J., 2887C
Taraguchi, M. See Nagai, K., 1474P
Tasaka, S. See Zhang, X., 654P
Tateiwa, S. See Hirano, T., 2487C
Tawonsree, S.
—; Omi, S.; Kiatkamjornwong, S.: Control of Various Morphological Changes of Poly(meth)acrylate Microspheres and Their Swelling Degrees by SPG Emulsification, 4038C
Tcharkhtchi, A.
—; Gouin, E.; Verdu, J.: Thermal Expansion of Epoxide–Amide Networks in the Glassy State, 537P
Teerenstra, M. N.
—; Suwier, D. R.; Van Mele, B.; Teuwen, L.; Maassen, M.; Van Den Berg, H. J.; Koning, C. E.: Flexiblized Styrene-*N*-Substituted Maleimide Copolymers. I. Multiblock Copolymers Prepared from Styrene-Maleimide Telechelics and Polytetrahydrofuran, 3550C
—; See Suwier, D. R., 3558C
Teodorescu, M. See Matyjaszewski, K., 2440C
Terada, Y.
—; Kanaoka, S.; Higashimura, T.: Living Cationic Polymerization of *n*-Butyl Propenyl Ether, 229C
Teraguchi, M. See Izumi, A., 1057C
Teraoka, I. See Fujiwara, T., 2405C
Termonia, Y.
—; Coil-Stretch Transition in Deformation Flows, 2422P
Teuwen, L. See Teerenstra, M. N., 3550C
Theunissen, E. See Evmenenko, G., 2851P
Thierry, A. See Mathieu, C., 3088P
Thomas, S. See Agrawal, R., 916P; George, J., 1104P; George, S. C., 2136P; Oommen, Z., 525P; Pothan, L. A., 2546P; Varkey, J. T., 2189P
Tian, G. See Uozumi, T., 1844C
Tihminlioglu, F.
—; Danner, R. P.: Solvent Diffusion in Amorphous Polymers: Polystyrene–Solvent Systems, 1965P
—; Danner, R. P.; Lützow, N.; Duda, J. L.: Solvent Diffusion in Amorphous Polymers: Polyvinyl Acetate—Toluene System, 2429P
Tjong, S. C. See Li, R. K. Y., 403P
Toba, Y.
—; Anthracene-Sensitized Polymerization of Vinyl Ethers by Onium Tetrakis-(pentafluorophenyl)borate Initiators, 982C
Tobita, H.
—; Hamashima, N.: Monte Carlo Simulation of Size Exclusion Chromatography for Randomly Branched and Crosslinked Polymers, 2009P
—; Sakai, T.; Tani, N.: Postgel Properties in the Statistical Crosslinking of Heterochains. I. Systems with *N* Types of Chains, 2333P
—; Tani, N.; Sakai, T.: Postgel Properties in the Statistical Crosslinking of Heterochains. II. Free-Radical Crosslinking Copolymerization, 2342P
Toivola, M. See Torkkeli, M., 1734P
Tokimitsu, T. See Desurmont, G., 4095C
Tokiwa, Y. See Nishida, H., 1560C
Toman, L.
—; Spěváček, J.; Vlček, P.; Holler, P.: Thermally Induced Polymerization of Isobutylene in the Presence of $SnCl_4$: Kinetic Study of the Polymerization and NMR Structural Investigation of Low Molecular Weight Products, 1568C
Tomba, J. P.
—; de la Puente, E.; Pastor, J. M.: Calculation of Polymer Blend Compositions from Raman Spectra: A New Method Based on Parameter

Estimation Techniques, 1013P
Tomita, I. See Endo, T., 1716C; Iwamura, T., 430C, 3440C; Kishi, K., 35C, 804C; Shimomura, O., 18C
Tondelli, L. See Laus, M., 1110C; Sparnacci, K., 3347C
Tonelli, C. See Mashlyakovskiy, L., 2579C
Tone, S. See Desurmont, G., 4095C
Tong, T.-H.
—; Chien, L.-C.: Photoluminescent Properties of Poly(*p*-Phenylene Vinylene Thiophene-*co*-Siloxane), 1450C
Tong, X. See Zhu, L., 4282C
Tonosaki, T. See Ogura, K., 4343C
Tordjeman, P.
—; Papon, E.; Villenave, J.-J.: Tack Properties of Pressure-Sensitive Adhesives, 1201P
Torkkeli, M.
—; Serimaa, R.; Eteläniemi, V.; Toivola, M.; Jokela, K.; Paronen, M.; Sundholm, F.: ASAXS Study of Styrene-Grafted Sulfonated Poly(vinylidene fluoride) Membranes, 1734P
Torriani, I. L. See De A. Prado, L. A. S., 1580C
Tortora, M. See Maglio, G., 1172C
Toy, L. G. See Nagai, K., 1474P
Tran-Cong, Q. See Imamura, Y., 682P
Tregre, G. J. See Sachinvala, N. D., 1889C
Trifonova-Van Haeringen, D.
—; Varga, J.; Ehrenstein, G. W.; Vancso, G. J.: Features of the Hedritic Morphology of β-Isotactic Polypropylene Studied by Atomic Force Microscopy, 672P
Troeltzsch, C.
—; Patten, T. E.: The Synthesis of Poly 6,8-dioxabicyclo 3.2.1}-octane-*b*-(ethylene glycol)-*b*-6,8-dioxabicyclo 3.2.1}octane} by Controlled Cationic Ring-Opening Polymerization, 4081C
Tshmel, A. See Kober, K., 1133P
Tsou, L.
—; Sauer, J. A.; Hara, M.: Molecular Composites of Poly(*p*-phenylene terephthalamide) Anion and Poly(ethylene oxide): Mechanical Properties, 1377P
—; Sauer, J. A.; Hara, M.: Molecular Composites of Poly(*p*-phenylene terephthalamide) Anion and Poly(ethylene oxide): Thermal Behavior and Morphology, 1369P
Tsubakihara, S. See Yasuniwa, M., 262P
Tsubaki, S. See Moriya, O., 3729C; Uozumi, T., 1844C
Tsuchida, E. See Pu, Y.-J., 4119C
Tsuge, S. See Ohtani, H., 1880C
Tsujita, Y.
—; Hayashi, N.; Yamamoto, Y.; Yoshimizu, H.; Kinoshita, T.; Matsumoto, S.: SAXS Study on Ionic Aggregates of Styrene-Isoprene-Sulfonated Isoprene Terpolymer Ionomer, 1307P
Tsukahara, Y. See Deng, C.-S., 3151P
Tsukame, T. See Yang, M., 3569C
Tsunooka, M. See Suyama, K., 3043C
Tsuruta, T. See Tabata, M., 1749C
Tsutsumi, H. See Lee, Y.-K., 4315C; Oishi, T., 310C
Tsutsumi, N.
—; Okabe, Y.: Molecular Motion and Relaxation Studies of Aliphatic Polyureas by Thermal Windowing Thermally Stimulated Depolarization Current Technique, 88P
Tsyurupa, M. P. See Davankov, V. A., 1553P
Tu, H.-L. See Wan, X.-H., 1828C
Tual, C.
—; Espuche, E.; Escoubes, M.; Domard, A.: Transport Properties of Chitosan Membranes: Influence of Crosslinking, 1521P
Tuchiya, H. See Uchida, Y., 2923P
Tukhvatullin, R. See Vedikhina, L., 1824P
Tunca, U.
—; Hizal, G.: Synthesis and Characterization of Aromatic Poly(ether ketone)s Containing Cyclotriphosphazene Units. II, 2300C
Turner, H. W.
—; Nielsen, R. B.; Safir, A. L.; Klaerner, G.; Goh, C.; Waymouth, R. M.: Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1750C
Turner, S. R. See Wan, X.-H., 1828C
Tuzar, Z. See Konak, C., 1312P
Tuzun, R. E. See Fukui, K., 1812P
Tyan, H.-L.
—; Wei, K.-H.; Hsieh, T.-E.: Mechanical Properties of Clay–Polyimide (BTDA–ODA) Nanocomposites via ODA-Modified Organoclay, 2873P

Uchida, T.
—; Furuzono, T.; Ishihara, K.; Nakabayashi, N.; Akashi, M.: Graft Copolymers Having Hydrophobic Backbone and Hydrophilic Branches. XXX. Preparation of Polystyrene-Core Nanospheres Having a Poly(2-methacryloyloxyethyl phosphorylcholine) Corona, 3052C
Uchida, Y.
—; Huang, H. W.; Horie, K.; Qing, L. Y.; Tuchiya, H.; Watanabe, J.: Fluorescence Study on a Liquid-Crystalline Polyester Containing Naphthoate Mesogen Units, 2923P
Uchino, S. See Sudo, A., 1073C
Ueda, M. See Hayakawa, T., 3875C; Mochizuki, A., 329C; Nishio, A., 2106C
Uedono, A.
—; Suzuki, R.; Ohdaira, T.; Mikado, T.; Tanigawa, S.; Ban, M.; Kyoto, M.; Uozumi, T.: Open Spaces and Relaxation Processes in the Subsurface Region of Polypropylene Probed by Monoenergetic Positron Beams, 101P
Uekawa, M. See Wang, Y.-F., 2032C
Uematsu, T. See Osaki, K., 3271P
Uezu, K. See Yoshida, M., 689C
Ugomori, T. See Wang, H., 1800P, 2954P
Ujihira, Y. See Ito, K., 922P
Ullmann, M. See Friedlander, S. K., 2658P
Uozumi, T.
—; Tian, G.; Ahn, C.-H.; Jin, J.; Tsubaki, S.; Sano, T.; Soga, K.: Synthesis of

Functionalized Alternating Olefin Copolymer and Modification to Graft Copolymer by Hydrosilylation, 1844C
—; See Jin, J., 3355C; Uedono, A., 101P
Uragami, T. See Miyata, T., 584P
Uryu, T. See Hattori, H., 887C; Kim, K.-S., 1214C
Uzomah, T. C.
—; Prediction of Solubilities, the Effect of Temperature on the Solubility of *n*-Alkanes, and the Mobile Order Theory, 43C

Vaia, R. A. See Beaucage, G., 2929P
Valiente, M. See Sánchez, J. M., 269C
Vallat, M. F. See Ruch, F., 3189P
Vana, P. See Olaj, O. F., 697C
Vancso, G. J. See Trifonova-Van Haeringen, D., 672P
Van Den Berg, H. J. See Teerenstra, M. N., 3550C
van der Vlist, J. See Monteiro, M. J., 4206C
van Duin, M. See Machado, A. V., 3919C
Vanhaecht, B. See Suwier, D. R., 3558C
Van Mele, B. See Teerenstra, M. N., 3550C
Vannini, R. See Laus, M., 1110C
Van Reenen, A. J.
—; Brull, R.; Wahner, U. M.; Raubenheimer, H. G.; Sanderson, R. D.; Pasch, H.: The Copolymerization of Propylene with Higher, Linear α-Olefins, 4110C
Varga, J. See Trifonova-Van Haeringen, D., 672P
Vargas, M.
—; Collard, D. M.; Liotta, C. L.; Schiraldi, D. A.: Photocrosslinkable Copolyesters: Poly(alkylene terephthalate-*co*-1,4-phenylene bisacrylate), 2167C
Varkey, J. T.
—; Augustine, S.; Groeninckx, G.; Bhagawan, S. S.; Someswara Rao, S.; Thomas, S.: Morphology and Mechanical and Viscoelastic Properties of Natural Rubber and Styrene Butadiene Rubber Latex Blends, 2189P
Varughese, K. T. See George, J., 1104P
Vasanthan, N.
—; Salem, D. R.: Infrared Spectroscopic Characterization of Oriented Polyamide 66: Band Assignment and Crystallinity Measurement, 516P
Vatanparast, R. See Li, S., 2213P
Vaughan, A. S. See Hosier, I. L., 2309P
Vedikhina, L.
—; Kurmaeva, A.; Tukhvatullin, R.; Barabanov, W.: Ionization Equilibrium in Salt-Containing Aqueous Solutions of Synthetic Polyampholytes, 1824P
Velichkova, R. See Petrov, P., 4154C
Velis, G.
—; Hadjichristidis, N.: Rapid Communication. Synthesis of Model Block–Double-Graft Copolymers and Terpolymers of Styrene (S), Butadiene (Bd), and Isoprene (I): Poly S-*b*-(1,2Bd-*g*-X_2)] (X: S, Bd, I, S-*b*-I), 1136C
Verdu, J. See Tcharkhtchi, A., 537P
Vermylen, V.
—; Lodefier, P.; Devaux, J.; Legras, R.; Mac Donald, W. A.; Rozenberg, R.; De Hoffmann, E.: Study of the Thermal Evolution of the Cyclic-Oligomer Formation in a Cyclic-Oligomer-Free PET, 416C
Vernet, J. L. See Bartolomeo, P., 2154P, 2162P
Vijayakumaran, K. See Nasrullah, J. M., 453C
Villarreal, I.
—; Morales, E.; Acosta, J. L.: Electrochemical Synthesis of Poly(3-methylthiophene): A Kinetic Study, 1258P
Villenave, J.-J. See Tordjeman, P., 1201P
Viñuales, A. See Oriol, L., 4466C
Vlček, P. See Toman, L., 1568C
Vogel, R. See Schmack, G., 2841P
Vogl, O.
—; Addition Polymers of Aldehydes, 2293C
—; Head-to-Head Polymers, 4013C
—; Haloacetaldehyde Polymers and Macromolecular Asymmetry, 2623C
—; Oriental Lacquer, Poison Ivy, and Drying Oils, 4327C
Vohlidal, J. See Mav, I., 3390C
Vohra, V.
—; Suresh, S.; Ponrathnam, S.; Rajan, C. R.; Kajzar, F.: Synthesis of Homopolymers Bearing Novel Chromophore 4-Oxy-4′-(vinylbarbiturate-phenyl)Azobenzene for Nonlinear Optical Applications, 962C
Voit, B.
—; New Developments in Hyperbranched Polymers, 2505C
Vora, R. H. See Lin, W.-H., 2703P
Voronov, S. See Zaichenko, A., 516C
Vujicic, G. M. See Kuljanin, J., 1729P
Vuorimaa, E. See Li, S., 2213P

Wada, M. See Kaito, A., 698P
Wagener, K. B. See Brzezinska, K. R., 1544C
Wagner, N. J. See Bodnár, I., 857P, 874P
Wagner, P. A. See Hwang, Y., 68P
Wahner, U. M. See Brüll, R., 2333C; Van Reenen, A. J., 4110C
Walsby, N.
—; Paronen, M.; Juhanoja, J.; Sundholm, F.: Radiation Grafting of Styrene onto Poly(vinylidene fluoride) Films in Propanol: The Influence of Solvent and Synthesis Conditions, 1512C
Walzer, J. F. See Roscoe, S. B., 2979C
Wan, D. See Shi, L., 2872C
Wan, G. See Guan, Y., 3812C
Wan, M.
—; Li, J.: Formation Mechanism of Polyaniline Microtubules Synthesized by a Template-Free Method, 2359C
—; See Liu, J., 2734C
Wan, X.-H.
—; Yang, Y.; Tu, H.-L.; Huang, L.; Tan, S.; Zhou, Q.-F.; Turner, S. R.: Synthesis, Characterization, and Ring Opening Polymerization of Poly(1,4-cyclohexylene-dimethylene terephthalate) Cyclic Oligomers, 1828C

Wang, B.
—; Mukataka, S.; Kokufuta, E.; Ogiso, M.; Kodama, M.: Viscometric, Light Scattering, and Size-Exclusion Chromatography Studies on the Structural Changes of Aqueous Poly(vinyl alcohol) Induced by γ-Ray Irradiation, 214P
Wang, B.-G.
—; Yamaguchi, T.; Nakao, S.-I.: Effect of Molecular Association on Solubility, Diffusion, and Permeability in Polymeric Membranes, 171P
—; Yamaguchi, T.; Nakao, S.-I.: Solvent Diffusion in Amorphous Glassy Polymers, 846P
Wang, C. See Hu, T., 2077P; Li, L., 4519C
Wang, C. S. See Lin, C. H., 2260C
Wang, C.-Y.
—; Ediger, M. D.: Spatially Heterogeneous Dynamics in Thermoset Resins Below the Glass-Transition Temperature: Effect of Temperature and Composition, 2232P
Wang, E. See Zhu, L., 4282C
Wang, F. Y. See Lin, J. M., 1699P
Wang, G. See Li, L., 1612P
Wang, G. Y.
—; Zhu, M. Q.; Hu, C. P.: Interpenetrating Polymer Networks of Polyurethane and Graft Vinyl Ester Resin-Polyurethane Formed with Diphenylmethane Diisocyanate, 136C
Wang, H.
—; Ugomori, T.; Tanaka, K.; Kita, H.; Okamoto, K.-I.; Suma, Y.: Sorption and Pervaporation Properties of Sulfonyl-Containing Polyimide Membrane to Aromatic/Non-Aromatic Hydrocarbon Mixtures, 2954P
—; Ugomori, T.; Wang, Y.; Tanaka, K.; Kita, H.; Okamoto, K.-I.; Suma, Y.: Sorption and Pervaporation Properties of Crosslinked Membranes of Poly(ethylene oxide imide) Segmented Copolymer to Aromatic/Nonaromatic Hydrocarbon Mixtures, 1800P
Wang, H.-L.
—; Romero, R. J.; Mattes, B. R.; Zhu, Y.; Winokur, M. J.: Effect of Processing Conditions on the Properties of High Molecular Weight Conductive Polyaniline Fiber, 194P
Wang, J.
—; Jia, X.; Zhong, H.; Wu, H.; Li, Y.; Xu, X.; Li, M.; Wei, Y.: Cinnamoyl Shell-Modified Poly(amidoamine) Dendrimers, 4147C
—; Kara, S.; Long, T. E.; Ward, T. C.: Synthesis of Central Functionalized Asymmetric Triblock Copolymers for Surface Modification and Switchable Surface Properties, 3742C
—; See Wang, S., 2409P
Wang, J.-S.
—; Kamiya, Y.: Evaluation of Gas Sorption Parameters and Prediction of Sorption Isotherms in Glassy Polymers, 883P
Wang, L.
—; Li, H.; Wong, C. P.: Syntheses and Characterizations of Thermally Reworkable Epoxy Resins II, 3771C
—; See Yang, M., 3405C
Wang, M.
—; Qiang, J.; Fang, Y.; Hu, D.; Cui, Y.; Fu, X.: Preparation and Properties of Chitosan-Poly(*N*-isopropylacrylamide) Semi-IPN Hydrogels, 474C
Wang, M.-J.
—; Lu, S. X.; Mahmud, K.: Carbon-Silica-Dual-Phase Filler, A New-Generation Reinforcing Agent for Rubber. Part VI. Time-Temperature Superposition of Dynamic Properties of Carbon-Silica-Dual-Phase-Filler-Filled Vulcanizates, 1240P
Wang, S.
—; Wang, J.; Ji, Q.; Schultz, A. R.; Ward, T. C.; McGrath, J. E.: Miscibility and Morphologies of Poly(arylene ether phenyl phosphine oxide/sulfone) Copolymer/Vinyl Ester Resin Mixtures and Their Cured Networks, 2409P
Wang, S. H.
—; Zawadzki, S.; Akcelrud, L.: HTPB-Based Polyurethanes. II. SINs with PMMA, 2861P
Wang, T. See Qi, C., 435P
Wang, Y. See Wang, H., 1800P
Wang, Y.-F.
—; Chen, T.-M.; Okada, K.; Uekawa, M.; Nakaya, T.; Kitamura, M.; Inoue, H.: Electroluminescent Devices Based on Polymers Forming Hole-Transporting Layers. II. Polyimides Containing β-Naphthyldiphenylamine Units, 2032C
Wang, Y. T. See Chang, T. C., 1972C
Wang, Z.-G.
—; Phillips, R. A.; Hsiao, B. S.: Morphology Development during Isothermal Crystallization. I. Isotactic and Atactic Polypropylene Blends, 2580P
—; See Li, L., 1943C
Wang, Z. Y. See Bender, T. P., 758C; 3991C; MacKinnon, S. M., 9C, 3467C
Ward, I. M. See Al-Hussein, M., 755P
Ward, T. C. See Jensen, R. E., 2351P; Park, T., 3222P; Wang, J., 3742C; Wang, S., 2409P
Warren, G. W. See Han, M., 2893C
Warren, J. R. See Masere, J., 3984C
Wasylyshyn, D. A. See Johari, G. P., 122P
Watanabe, H.
—; Matsumiya, Y.; Osaki, K.: Tube Dilation Process in Star-Branched *cis*-Polyisoprenes, 1024P
Watanabe, J. See Uchida, Y., 2923P
Watanabe, T. See Arakawa, R., 4403C
Wataru, I. See Yamamoto, T., 1642C
Waymouth, R. M. See Turner, H. W., 1750C
Weber, W. P. See Huang, D., 546C; Sargent, J. R., 482C
Webster, O.
—; Wooley, K. L.: Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1751C
Webster, O. W.
—; Highlight. The Discovery and Commercialization of Group

Transfer Polymerization, 2855C
Weglarz, W. P.
—; Peemoeller, H.; Rudin, A.: Characterization of Annealed Isotactic Polypropylene in the Solid State by 2D Time-Domain ^{1}H NMR, 2487P
Wei, K.-H. See Ho, J.-C., 2124P; Tyan, H.-L., 2873P
Wei, M.-H. See Chen, W.-C., 1764P
Wei, W. See Qi, C., 435P
Wei, Y. See Qin, H.-H., 321C; Wang, J., 4147C
Weikart, C. M.
—; Yasuda, H. K.: Modification, Degradation, and Stability of Polymeric Surfaces Treated with Reactive Plasmas, 3028C
Weill, G. See Maring, D., 2611P
Weisman, N. E. See Bodnár, I., 857P
Wendlandt, M.
—; Kerle, T.; Heuberger, M.; Klein, J.: Phase Separation in Thin Films of Polymer Blends: The Influence of Symmetric Boundary Conditions, 831P
Whitney, R. A. See Clark, D. C., 2456C
Whittaker, A. K. See Ghi, P., 1939P
Wigum, H.
—; Tangen, L.; Støvneng, J. A.; Rytter, E.: Ethene Homopolymerization and Copolymerization with 1-Hexene for All Methyl-Substituted $(R_nC_5H_{5-n})_2ZrCl_2$/MAO Catalytic Systems: Effects of Split Methyl Substitution, 3161C
Wilén, C.-E. See Liu, H., 4457C
Wilhelm, M. See Maring, D., 2611P
Winey, K. I. See Pellegrini, N. N., 1547P
Winnik, M. A. See Huang, L., 730C; Massey, J. A., 3032P; Odrobina, E., 3933C; Pham, H. H., 855C
Winningham, M. J. See Rathore, O., 352C
Winokur, M. J. See Wang, H.-L., 194P
Winsor, D. L. See Sachinvala, N. D., 1889C
Wittman, J. C. See Mathieu, C., 3088P
Wnek, G. E. See Roberts, C. C., 3486C
Won, C.-Y. See Zhang, Y., 2392C
Won, M.-S. See Kim, I., 1520C
Wonchoba, E. R. See Feiring, A. E., 3313C
Wong, C. P. See Wang, L., 3771C
Woo, E. M. See Mandal, T. K., 562P; Sun, Y. S., 3210P
Wooley, K. L.
—; Shell Crosslinked Polymer Assemblies: Nanoscale Constructs Inspired from Biological Systems, 1397C
—; See Webster, O., 1751C
Wright, H. M. See Cunningham, M. F., 345C
Wright, J. P. See Higuchi, M., 2186C
Wu, C.
—; Yamagishi, T.-A.; Nakamoto, Y.; Ishida, S.; Nitta, K.-H.; Kubota, S.: Organic Hybrid of Chlorinated Polyethylene and Hindered Phenol. I. Dynamic Mechanical Properties, 2285P
—; Yamagishi, T.-A.; Nakamoto, Y.; Ishida, S.-I.; Kubota, S.; Nitta, K.-H.: Organic Hybrid of Chlorinated Polyethylene and Hindered Phenol. II. Influence of the Chemical Structure of Small Molecules on Viscoelastic Properties, 1496P
—; Yamagishi, T.-A.; Nakamoto, Y.; Ishida, S.-I.; Nitta, K.-H.: Organic Hybrid of Chlorinated Polyethylene and Hindered Phenol. III. Influence of the Molecular Weight and Chlorine Content of the Polymer on the Viscoelastic Properties, 2943P
—; Yamagishi, T.-A.; Nakamoto, Y.; Ishida, S.-I.; Nitta, K.-H.; Kubota, S.: Viscoelastic Properties of an Organic Hybrid of Chlorinated Polyethylene and a Small Molecule, 1341P
—; See Hu, T., 2077P
Wu, G.
—; Liu, M.; Li, X.; Cuculo, J. A.: Structure Development and Physical Properties Achieved in the Drawing and/or Annealing of PEN Fibers, 1424P
Wu, H. See Wang, J., 4147C
Wu, H. D. See Lin, J. M., 1699P
Wu, J. See Samon, J. M., 1872P
Wu, L. See Sheares, V. V., 4070C
Wu, Q. See Chen, R., 411C
Wu, T.-M.
—; Chang, C.-C.; Yu, T. L.: Crystallization of Poly(ethylene terephthalate-*co*-isophthalate), 2515P
Wu, Y. See Qi, C., 435P
Wunderlich, B. See Kwon, Y. K., 319P, 611P; Pak, J., 2810P; Pyda, M., 622P

Xia, A. See Zhang, L.-X., 3163P
Xia, P. See Jiang, X., 1203C
Xia, X. See Cheng, L., 10P
Xiang, F. See Dan, Y., 1069P
Xie, M. See Chen, R., 411C
Xie, P. See Liu, C.-Q., 2702C
Xie, X. L. See Li, R. K. Y., 403P
Xu, H.-J. See Li, L., 1943C
Xu, J.
—; Ouyang, J.; Fan, Z.; Chen, D.; Feng, L.: Polymer-Supported Half-Titanocene Catalysts for the Syndiospecific Polymerization of Styrene, 127C
Xu, R.
—; Leonard, J.; Bui, V. T.: Thermodynamics of Solutions of Cyclic Polymethylene Ester Oligomers in *p*-Dioxane and Chloroform, 443P
—; See Liang, H., 2096P
Xu, S. See Chai, Z., 3270C
Xu, X.
—; Zhang, L.: Aggregation and Disaggregation of *Aeromonas* Gum in an Aqueous Solution under Different Conditions, 2644P
—; See Wang, J., 4147C; Zhang, L., 1352P
Xu, Y.
—; Pan, C.: Block and Star Block Copolymers by Mechanism Transformation. I. Synthesis of PTHF-PSt-PTHF by the Transformation of ATRP into CROP, 337C
—; Pan, C.: Erratum: Syntheses and Characterization of Poly(tetrahydrofuran) Polyols with Multifunctional Oxocarbenium Perchlorates as Initiator, 665C
—; Pan, C.: Study on the Cationic Ring-Opening Polymerization of 1,3-Dioxepane in the Presence of Organic Acids, 1232C

—; Pan, C.; Tao, L.: Block and Star Block Copolymers by Mechanism Transformation. II. Synthesis of Poly(DOP-*b*-St) by Combination of ATRP and CROP, 436C
—; See Qu, B., 999C; Yamamoto, T., 1493C
Xu, Z.-S.
—; Drnoyan, V.; Natansohn, A.; Rochon, P.: Novel Polyesters with Amino-Sulfone Azobenzene Chromophores in the Main Chain, 2245C

Yabuki, K. See Kitagawa, T., 1605P, 2901P, 2937P
Yaguchi, T. See Nishikubo, T., 4006C
Yamada, K.
—; Nakano, T.; Okamoto, Y.: Free-Radical Copolymerization of Vinyl Esters Using Fluoroalcohols as Solvents: The Solvent Effect on the Monomer Reactivity Ratio, 220C
Yamagishi, T.-A. See Wu, C., 1341P, 1496P, 2285P, 2943P
Yamaguchi, A. See Liu, S. L., 3018P
Yamaguchi, I. See Osakada, K., 1505C; Yamamoto, T., 1493C
Yamaguchi, K. See Maeda, Y., 4478C
Yamaguchi, S. See Suyama, K., 3043C
Yamaguchi, T. See Wang, B.-G., 171P, 846P
Yamaguchi, Y. See Imamura, Y., 682P
Yamamoto, K.
—; Serizawa, T.; Muraoka, Y.; Akashi, M.: Synthesis and Functionalities of Poly(*N*-vinylalkylamide). XII. Synthesis and Thermosensitive Property of Poly(vinylamine) Copolymer Prepared from Poly(*N*-vinylformamide-*co*-*N*-vinylisobutyramide), 3674C
Yamamoto, N. See Maeda, Y., 4478C
Yamamoto, S.-I.
—; Sanda, F.; Endo, T.: Cationic Polymerization of Cyclic Ketene Acetals via Zwitterion Formation with Cyanoallene, 2075C
Yamamoto, T.
—; Kamijoh, T.; Wataru, I.: Preparation and Spectroscopic Data of ^{13}C-Labeled Polythiophenes and Corresponding Iodide Monomers, 1642C
—; Kokubo, H.: Selective Stacking of HT-Poly(3-*n*-alkylthiophene-2,5-diyl)s in Mixed Systems, 84P
—; Takeuchi, M.; Kubota, K.: New Information on Linear and Stiff π-Conjugated Poly(pyridine-2,5-diyl), 1348P
—; Xu, Y.; Inoue, T.; Yamaguchi, I.: Preparation of Poly(biphenylene vinylene) Type Polymers by Ni-Promoted Polycondensation and Their Basic Optical Properties, 1493C
—; See Kanbara, T., 4194C; Osakada, K., 1505C
Yamamoto, Y. See Tsujita, Y., 1307P
Yamamura, T. See Chen, Y., 90C
Yamanaka, T. See Nagai, K., 3412C
Yamashita, M. See Nishida, H., 1560C
Yamashita, S. See Mochizuki, A., 1045C
Yamashita, T. See Ito, K., 922P
Yamazaki, T.
—; Seguchi, T.: Electron Spin Resonance Study on Chemical Crosslinking Reaction Mechanisms of Polyethylene Using a Chemical Agent. V. Comparison with Polypropylene and Ethylene-Propylene Copolymer, 3383C
—; Seguchi, T.: ESR Study on Chemical Crosslinking Reaction Mechanisms of Polyethylene Using a Chemical Agent. IV. Effect of Sulfur- and Phosphorous-Type Antioxidants, 3092C
Yan, D. See Jiang, X., 1203C; Zhu, S., 4308C
Yan, F. See Qi, C., 435P
Yan, S.
—; Petermann, J.: Nucleation and Overgrowth of PE on PTFE/iPP Interfaces, 80P
Yan, X. See Hu, Y., 1188P
Yanagase, A. See Desurmont, G., 4095C
Yanagihara, H. See Oishi, T., 310C
Yang, C. See Fukui, K., 1812P
Yang, C.-P.
—; Chen, R.-S.: Organosoluble Polyimides and Copolyimides Based on 1,1-Bis 4-(4-aminophenoxy)phenyl}-1-phenylethane and Aromatic Dianhydrides, 2082C
—; Chen, R.-S.; Chen, J.-A.: Preparation and Properties of New Poly(amide-imide)s Based on 1,4-Bis(4-trimellitimidophenoxy)naphthalene and Aromatic Diamines, 1C
—; Hung, K.-S.; Chen, R.-S.: Synthesis and Characterization of Organosoluble Copolyimides Based on 2,2-Bis 4-(4-aminophenoxy)-phenyl}propane, 2,2-Bis 4-(4-aminophenoxy)phenyl}-hexafluoropropane and a Pair of Commercial Aromatic Dianhydrides, 3954C
—; Liou, G.-S.; Chen, R.-S.; Yang, C.-Y.: Synthesis and Properties of New Organo-Soluble and Strictly Alternating Aromatic Poly(ester-imide)s from 3,3-Bis 4-(trimellitimido-phenoxy)phenyl}phthalide and Bisphenols, 1090C
—; See Hsiao, S.-H., 247C, 1551C
Yang, C.-Y. See Yang, C.-P., 1090C
Yang, G. See Yu, Z.-Z., 2801P
Yang, G. H.
—; Kang, E. T.; Neoh, K. G.: Surface Modification of Poly(tetrafluoroethylene) Films by Plasma Polymerization of Glycidyl Methacrylate and Its Relevance to the Electroless Deposition of Copper, 3498C
Yang, H.
—; Yan, X.; Cheng, R.: Investigation of Solution Properties of Poly(*N*-isopropylacrylamide) in Water with Its Thermohistory, 1188P
Yang, J.-M. See Lee, R.-S., 2449C
Yang, L. See Guo, D., 2232C
Yang, M.
—; Ling, Q.; Hiller, M.; Fun, X.; Liu, X.; Wang, L.; Zhang, W.: Monochromatic-Red-Light Emission of Novel Copolymers Containing Carbazole Units and Europium–Acrylate Complexes, 3405C

—; Tsukame, T.; Saitoh, H.; Yoshida, H.; Shibasaki, Y.: Characterization of Poly(Styrene-*co*-Methacrylonitrile)s Obtained by Low-Temperature Radiation Polymerization and Thermal Degradation Behavior Measured by Py-GC and CRTG, 3569C
Yang, S.-S. See Park, S.-W., 665C
Yang, X. See Guo, D., 2232C; Kong, X., 3230P
Yang, Y. See Wan, X.-H., 1828C; Zhu, F., 4258C
Yang, Y.-L. See Li, X.-G., 4407C
Yao, K. L. See Hu, H.-F., 1656P
Yasin, T. See Fan, Z.-Q., 4299C
Yasuda, H.
—; Comments on "Living Polymerization: Rationale for Uniform Terminology" by Darling et al., 1752C
—; Yasuda, T.: The Competitive Ablation and Polymerization (CAP) Principle and the Plasma Sensitivity of Elements in Plasma Polymerization and Treatment, 943C
—; See Desurmont, G., 4095C
Yasuda, H. K. See Weikart, C. M., 3028C
Yasuda, T. See Yasuda, H., 943C
Yasuniwa, M.
—; Tsubakihara, S.; Murakami, T.: High-Pressure DTA of Poly(butylene terephthalate), Poly(hexamethylene terephthalate), and Poly(ethylene terephthalate), 262P
Ye, M. See Chai, Z., 3270C
Yee, A. F. See Soles, C. L., 776P, 792P
Yee, L. H.
—; Coote, M. L.; Chaplin, R. P.; Davis, T. P.: Determination of Propagation Rate Coefficients for an α-Substituted Acrylic Ester: Pulsed Laser Polymerization of Dimethyl Itaconate, 2192C
Yee, R. See Stenger-Smith, J. D., 2824C
Yeganeh, H.
—; Mehdipour-Ataei, S.: Preparation and Properties of Novel Processable Polyimides Derived from a New Diisocyanate, 1528C
Yeh, H.-C. See Chen, C.-T., 498C
Yin, J. See Li, L., 1943C
Yin, W. See Ruckenstein, E., 1443C
Yi, X.
—; Portnoy, J.; Pellegrino, J.: Diffusion Measurements Using ATR-FTIR Spectroscopy: Acetone Diffusion in Polypropylene—Use of Penetrant Fluid Pressure to Improve Sample/IRE Contact, 1773P
Yi, X.-S. See Song, Y., 1756P; Zhang, X.-W., 2739P
Yokokawa, Y. See Kanbara, T., 28C
Yokozawa, T.
—; Niimi, L.: Simultaneous Construction of a Polyether Backbone and a Variety of Keto Side Chains by Three-Component Polycondensation: An Improved Method for the Use of a Variety of Silyl Enol Ethers, 179C
Yonetake, K. See Nishio, A., 2106C
Yoneyama, M. See Kakimoto, M.-A., 3911C
Yoo, D.-J. See Kim, J.-Y., 1903P, 2081P; Lee, J.-S., 1396P
Yoo, K. S. See Han, M. J., 423C
Yoon, H.-S. See Park, S.-W., 3059C
Yoon, J.-S. See Jin, H.-J., 1504P, 2240P; Park, E.-S., 2239C
Yoshida, H. See Yang, M., 3569C
Yoshida, I. V. P. See De A. Prado, L. A. S., 1580C
Yoshida, M.
—; Ayano, M.; Kobayashi, N.: Charge Transport Properties of Triphenylamine-Pendant Polypeptide, 362P
—; Hatate, Y.; Uezu, K.; Goto, M.; Furusaki, S.: Metal-Imprinted Microsphere Prepared by Surface Template Polymerization and Its Application to Chromatography, 689C
—; See Kaito, A., 698P; Oku, H., 2671C, 4524C;
Yoshida, T. See Higuchi, A., 1749P
Yoshii, K.
—; Machida, S.; Horie, K.: Local Free Volume and Structural Relaxation Studied with Photoisomerization of Azobenzene and Persistent Spectral Hole Burning in Poly(alkyl methacrylate)s at Low Temperatures, 3098P
Yoshimizu, H. See Tsujita, Y., 1307P
Yoshino, M.
—; Ito, K.; Kita, H.; Okamoto, K.-I.: Effects of Hard-Segment Polymers on CO_2/N_2 Gas-Separation Properties of Poly(ethylene oxide)-Segmented Copolymers, 1707P
Yoshioka, M. See Mochizuki, A., 329C
Youk, J. H.
—; Ha, W. S.; Jo, W. H.: Origin of Double Melting Behavior of Poly(*p*-phenylene succinate), 1868P
—; Jang, S. S.; Jo, W. H.: Homogenization Process Caused by Competition Between Phase Separation and Ester-Interchange Reactions in Immiscible Polyester Blends: A Monte Carlo Simulation, 590P
Ystenes, M.
—; Eilertsen, J. L.; Liu, J.; Ott, M.; Rytter, E.; Støvneng, J. A.: Erratum: Experimental and Theoretical Investigations of the Structure of Methylaluminoxane (MAO) Cocatalysts for Olefin Polymerization, 3450C
—; Eilertsen, J. L.; Liu, J.; Ott, M.; Rytter, E.; Støvneng, J. A.: Experimental and Theoretical Investigations of the Structure of Methylaluminoxane (MAO) Cocatalysts for Olefin Polymerization, 3106C
Yu, C.-W. See Liaw, D.-J., 2787C
Yu, H.-S. See Lee, J.-H., 4185C
Yu, T. L. See Wu, T.-M., 2515P
Yu, W.
—; Zhou, C.; Inoue, T.: A Coalescence Mechanism for the Coarsening Behavior of Polymer Blends during a Quiescent Annealing Process. II. Polydispersed Particle System, 2390P
—; Zhou, C.; Inoue, T.: A Coalescence Mechanism for the Coarsening Behavior of Polymer Blends during a Quiescent Annealing Process. I. Monodispersed Particle System, 2378P
—; See Cheng, L., 10P
Yu, Z.-Z.
—; Lei, M.; Ou, Y.-C.; Yang, G.; Hu, G.-H.: Toughening of a

Copolyester with a Maleated Core-Shell Toughener, 2801P
—; See Pan, Y.-X., 1626P
Yuan, C. Y. See Chen-Yang, Y. W., 972C
Yuan, J.-C.
—; Lu, S.-J.: Enantioselective, Alternating Copolymerization of Carbon Monoxide and Olefins, 2919C
Yuan, Q. See Dong, Y., 980P
Yue, C. Y. See Boey, F. Y. C., 907C
Yuki, Y. See Takagi, K., 4385C
Yulchibaev, B. See Kricheldorf, H. R., 2013C

Zaichenko, A.
—; Mitina, N.; Kovbuz, M.; Artym, I.; Voronov, S.: Surface-Active Metal-Coordinated Oligoperoxidic Radical Initiators. I. The Interrelation Between the Microstructure of Ditertiary Oligoperoxides and Their Ability to Form Stable Metal Complexes, 516C
Zaidi, S. M. J. See Mikhailenko, S. D., 1386P
Zaiviy, V. See Mashlyakovskiy, L., 2579C
Zárraga, A.
—; Peña, J. J.; Muñoz, M. E.; Santamaría, A.: Thermorheological Analysis of PVC Blends, 469P
Zarras, P. See Stenger-Smith, J. D., 2824C
Zawadzki, S. See Wang, S. H., 2861P
Zeng, F.
—; Shen, Y.; Zhu, S.; Pelton, R.: Atom Transfer Radical Polymerization of 2-(Dimethylamino)ethyl Methacrylate in Aqueous Media, 3821C
Zerroukhi, A. See Scaffaro, R., 1795C
Zhang, C. See Huang, D., 546C
Zhang, D. See Liu, J., 1639C
Zhang, H.
—; Ruckenstein, E.: Self-Poly-addition of Hydroxyalkyl Vinyl Ethers, 3751C
—; See Qiu, Z., 1992P; Ruckenstein, E., 1195C, 1848C
Zhang, J. See Li, Y., 189C
Zhang, L.
—; Xu, X.; Pan, S.: Effects of the Thermal History and Concentration on the Aggregation of Erwinia Gum in an Aqueous Solution, 1352P
—; See Li, L., 1612P; Xu, X., 2644P
Zhang, L.-X.
—; Xia, A.; Zhao, D.-L.: Predicting Chain Dimensions from an Artificial Neural Network Model, 3163P
Zhang, P.
—; Moore, J. S.: Synthesis and Characterization of PEE-PEO Diblock Copolymers with Complementary End-Groups for Hydrogen-Bond Heteroassociation, 207C
Zhang, R.-B. See Liu, C.-Q., 2702C
Zhang, S. See Qi, C., 435P
Zhang, W. See Guan, Y., 3812C; Petrović, Z. S., 4062C; Yang, M., 3405C
Zhang, X.
—; Tasaka, S.; Inagaki, N.: Surface Mechanical Properties of Low-Molecular-Weight Polystyrene Below Its Glass-Transition Temperatures, 654P
Zhang, X.-W.
—; Pan, Y.; Zheng, Q.; Yi, X.-S.: Time Dependence of Piezoresistance for the Conductor-Filled Polymer Composites, 2739P
Zhang, Y.
—; Cao, W.: A Novel Photosensitive Ternary Complex Consisting of Phenol-Formaldehyde Resin, Sodium Dodecyl Sulfate, and Diazo Resin, 2566C
—; Won, C.-Y.; Chu, C.-C.: Synthesis and Characterization of Biodegradable Hydrophobic–Hydrophilic Hydrogel Networks with a Controlled Swelling Property, 2392C
—; See Dan, Y., 1069P
Zhang, Z.
—; Permeability and Morphology of Poly(*cis*-butadiene)/Ester-Ether Liquid Crystal Composite Membranes, 1833P
—; See Handa, Y. P., 716P
Zhao, D.-L. See Zhang, L.-X., 3163P
Zhao, H.-T. See Liu, C.-Q., 2702C
Zhao, Q. See Boey, F. Y. C., 907C
Zhao, X.
—; Odian, G.; Rossi, A.: Kinetics, Polymer Molecular Weights, and Microstructure in Zirconocene-Catalyzed 1-Hexene Polymerization, 3802C
Zheng, Q. See Percec, V., 3631C; Song, Y., 1756P; Zhang, X.-W., 2739P
Zheng, S.
—; Jungnickel, B.-J.: Self-Decelerated Crystallization in Blends of Polyhydroxyether of Bisphenol A and Poly(ethylene oxide) upon Isothermal Crystallization, 1250P
Zhong, H. See Wang, J., 4147C
Zhong, Y. See Li, L., 1612P
Zhou, C. See Yu, W., 2378P, 2390P
Zhou, E. See Kong, X., 3230P; Tan, S., 53P
Zhou, J.-M. See Kim, I. °, 1687C
Zhou, Q.-F. See Wan, X.-H., 1828C
Zhu, F.
—; Huang, Y.; Yang, Y.; Lin, S.: Branched Polyethylene Prepared by *In Situ* Copolymerization of Ethylene with Monotitanocene and Modified Methylaluminoxane Catalyst, 4258C
Zhu, L.
—; Tong, X.; Li, M.; Wang, E.: Synthesis and Solution Properties of Anionic Linear–Dendritic Block Amphiphiles, 4282C
Zhu, M. Q. See Wang, G. Y., 136C
Zhu, S.
—; Yan, D.: Atom Transfer Radical Polymerization of Styrene and Methyl Methacrylate Catalyzed by $FeCl_2$/Iminodiacetic Acid, 4308C
—; See Zeng, F., 3821C
Zhu, X. X. See Percot, A., 907P
Zhu, Y. See Wang, H.-L., 194P
Zhu, Z.-K. See Li, L., 1943C
Žigon, M. See Mav, I., 3390C
Zimmermann, Y. See Pothan, L. A., 2546P
Zipp, G. See Beginn, U., 631C
Zschoche, S. See Kurian, P., 3200C
Zsuga, M. See Borda, J., 2925C
Zuckermann, M. J. See Besold, G., 1053P

JOURNAL OF
POLYMER SCIENCE

Combined Subject Index to Volume 38

This index covers the Polymer Chemistry and Polymer Physics Editions of the *Journal of Polymer Science*, Vol. 38, 2000. The Edition in which an item appears is indicated by a C or P, respectively, following the page number.

AB block copolymer, 2274C
AB_2 monomer, 261C, 3736C
ABC terpolymer, 2091C
ABC triblock copolymer, 1645P
Absorbable polymers, 2436P
Absorption, 2306C, 776P, 792P
AB-type poly(etherimide), 402C
Acceleration, 921C
Acceleration in hexane, 229C
Acceptor number, 2791P
Acetaldehyde, 2293C
Acetone, 1773P
Acetylated, 916P
Acetylation, 453C
Acid catalyst, 117C
Acid chloride, 68C
Acid-base interaction, 2096P
Acid-catalyzed polymerization, 482C
Acidic polymers, 501P
Acrylamide, 1834C
Acrylamide polymerization, 1129C
Acrylate, 1024C
Acrylic, 3722C, 2033P
Acrylic polymers, 2855C
Acrylonitrile, 846C, 2652C
Acrylonitrile–butadiene–styrene/epoxy blends, 351P
Acryloyl group, 4524C
Activation energy, 3984C, 495P, 2124P, 2714P
Active polymer, 3665C
Activity, 2232C
Addition polymerization, 2137C
Addition reaction, 3578C
Addition-cure phenolics, 641C
Addition–fragmentation, 3596C
Additives, 3285P
Adhesion, 965P, 3189P
Adhesion strength, 80C, 3498C
Adhesive thickness, 1201P
Adiabatic polymerization, 1129C
ADMET, 1544C
Adsorbed polymer, 1146P
Adsorption, 689C
Aeromonas gum, 2644P
AFM, 1436P
Aggregation, 3791C, 1352P, 2644P
Aging, 765P, 1222P
Alanine, 352C
Alcohol, 1222C
Aldaramides, 594C, 604C
Aldehyde, 179C
Aldehyde polymerization, 2293C
Alicyclic polymer, 148P
Aliphatic polypyromellitimides, 1391C
Aliphatic polyurea, 88P
Aliphatic-aromatic thiodiols, 1767C
Alkaline solution, 2760C
Alkali-treated, 916P
Alkyl methacrylates, 3188C
Alkylenediamine, 594C
4-Alkyloxybenzene-1,3-diamine, 1943C
Allene, 1505C
Allyl isocyanate, 2392C
Allyl methacrylate, 1195C
α,α'-dichloro-*p*-xylene, 3059C
α-Helix, 3256P
α-Methyl styrene/methyl methacrylate (α-MS/MMA), 1981C
α,ω-dihalide compounds, 1662C
α-relaxation, 1841P
α-relaxation process, 2162P
AlQ_3-containing polymer, 2887C
Alternating copolymerization, 3074C
Alternating copolymers, 3521C
Alternating olefin copolymer, 1844C
Aluminium oxide, 3151P
Aluminoxanes, 3106C, 4299C
Amido diol, 2469C
Aminated polystyrene particles, 2910C
Aminated styrene copolymers, 2910C
Amine, 876C
Amine curing agents, 921C
Amine functionalization, 145C
Amine–quinone polymers, 2893C
Amine–quinones, 3278C, 3284C
Aminimide, 3428C
Amino acid, 2671C, 3011C, 4524C
Amino functionality, 4230C
Amino-functional group, 4070C
Amino-functionalized polymer, 4373C
2-(Aminomethyl)styrene, 4088C
(3-Aminopropyl)triethoxysilane, 321C
Aminostyrene protection, 2910C
Ammonium phosphate, 2815C
Amorphous fraction, 516P
Amphiphiles, 4282C
Amphiphilic block copolymers, 3200C
Amphiphilic copolymers, 1195C, 2711C
Amphiphilic core-shell morphology, 1397C
Amphiphilic diblock and triblock copolymers, 2400P
Amphiphilic networks, 3812C
Amphiphilic polymer blend, 1530P
Amphiphilic polymers, 3369C, 4396C, 2081P
Amylose-water, 1662P
Anhydride terminated, 2993C
Animal-like clusters, 1312P
Anionic catalyzed ring opening, 1379C
Anionic polymerization, 145C, 207C, 310C, 931C, 1136C, 1195C, 1618C, 2177C, 3211C, 3791C, 4088C, 4154C, 1645P
Anionic polymerization of methacrylates, 3711C
Anisotropy, 3222P

Annealing, 68P, 1424P, 2378P, 2390P, 2571P
Anomalous behavior, 1939P
Ansa-zirconocene, 4299C
Antiangiogenesis, 1247C, 4272C
Antioxidant, 3092C
Antiplasticization, 1841P
Application, 2505C
a-PP-SF, 1564P
Aqueous media, 3821C
Aqueous solution, 3399C, 1352P
ArF resist, 148P
Aromatic amine compound, 2032C
Aromatic diamines, 1951C
Aromatic dicyanate, 726P
Aromatic dicyanate ester, 2934C
Aromatic polyacetals, 1873C
Aromatic polyamides, 123C, 1014C, 3875C
Aromatic poly(ether ketone), 2300C
Aromatic tetracarboxylic anhydride, 2032C
Aromatic/nonaromatic hydrocarbon separation, 895C
Arrhenius parameters, 2192C
Artificial neural model, 309P
Artificial neural network, 3163P
Aryl amination, 4194C
Aryl cyclic sulfonium zwitterion, 1283C
Aryl dichlorides, 4194C
Aryl primary diamines, 4194C
ASAXS, 1734P
Asperity, 1485P
Aspirin, 2013C
Associative polymers, 2019P
Asymmetric epoxidation, 161C
Asymmetric membrane, 765P
Asymmetric polymerization, 310C, 2098C
Atactic, 2580P
Atactic polypropene, 411C
Atactic polypropylene, 1947P
Atactic polystyrene (APS), 3001P
Atom transfer polymerization, 4519C
Atom transfer radical polymerization, 337C, 2023C, 2274C, 2440C, 3821C, 4308C
Atomic force microscopy, 672P, 2841P
ATR-FTIR spectroscopy, 1773P
ATRP, 436C, 1203C, 2023C
Attenuated total reflection, 546C
Autocatalytic reaction, 907C
Avrami equation, 3230P
Avrami exponent, 934P, 2515P
Azaalkylene, 604C
Azadiamines, 3892C
Azide, 4519C
Azide radical, 3997C
Azobenzene polymers, 2245C
Azobenzenes, 962C, 1057C
2,2′-Azobisisobutyronitrile, 1880C
Azo-dye, 205P
2,2′-azoisobutyronitrile (AIBN) thermal decomposition, 2156C

B and V crystals, 1662P
Back-biting reaction, 2794C
Bactericidal activity, 4506C
Band gap, 1589P
Band structure, 1656P
Banding, 1575P
Barbituric acid, 962C
Bathochromism, 1311C
Beer–Lambert law, 182P
Benzene, 3412C
Benzoate, 4362C
Benzocyclobutene, 3434C, 1634P
Benzonitrile copolymerization, 60C
Benzophenone, 999C, 3977C
Benzoxazine, 1687P, 3289P
Benzoxazinone unit, 936C
Benzoxazole polymers, 1991C
Benzyl methacrylate, 4396C
Benzylamine, 504C
Benzylethylammonium chloride, 3059C
β-Cyclodextrin, 2098C
β-Naphthalene sulfornic acid, 2359C
β-relaxation, 1841P
β-sheets, 352C
β-transition temperature, 2703P
Biaxial orientation, 182P
Bifunctional monomer, 1214C
Bimodal distribution, 2232P
Bimodality, 1408C
Bio-1,3-propanadiol, 667C
Bio-based materials, 667C
Biocatalysis, 667C
Biodegradability, 2240P
Biodegradable blends, 786C
Biodegradable fibers, 2841P
Biodegradable polymers, 870C
Biodegradation, 4478C, 1504P
Biodegradation swelling ratio, 2392C
Bioinspired, 352C
Biopolymers, 352C, 667C
Bioprocessing, 667C
Bioreactor, 4506C
Biphenyltetracarboxylic imides, 3019C
Bipyridine, 498C
Birefringence, 509P, 2449P
1,1-bis 4-(4-aminophenoxy)phenyl}-1-phenylethane, 2082C
1,1-Bis 4-(4-carboxyphenoxy)phenyl}-4-*tert*-butylcyclohexane, 797C
2,2-Bis 4-(4-aminophenoxy)-phenyl}hexafluoro-propane, 3954C
2,2-Bis 4-(4-amino-phenoxy)phenyl}propane, 3954C
3,3-Bis 4-(4-aminophenoxy)phenyl}-phthalide, 1090C
3,3-Bis 4-(trimellitimido-phenoxy)phenyl}phthalide, 1090C
8,8-bis 4-(4-carboxyphenoxy)-phenyl}tricyclo $5.2.1.0^{2,6}$}-decane, 74C
1,2-bis(4-aminophenoxy)benzene, 1551C
1,2-bis(4-aminophenoxy)-4-*tert*-butyl-benzene, 1551C
1,4-bis(4-trimellitimido-phenoxy)naphthalene, 1C
1,4-bis(phenylethenyl)benzene, 931C
2,2-Bis(4-hydroxyphenyl)-1,1,1,3,3,3-hexafluoropropane, 1873C
2,2-Bis(4-hydroxyphenyl)propane, 1873C
Bis(4-chloro-3-nitrophenyl) sulfone, 3399C
Bis-(4-mercaptophenyl) sulfide, 3399C
Bis(epoxide), 3604C, 4006C
Bismaleimide, 907C, 2260C
Bis(oxetane)s, 2254C
Bisphenol A poly(arylene ether phenyl triphosphine oxide/diphenyl sulfone), 2409P
Bisphenols, 1270C, 3467C, 4451C
Blend, 2296P
Blend composition, 1013P
Blend membranes, 1386P
Blend of poly(vinylidene fluoride), 1155P
Blends, 525P, 813P, 1104P, 1396P, 1547P, 1947P, 2136P, 2580P, 2976P
Block and graft copolymers, 2121C
Block content, 2652P
Block copolyimides, 3991C
Block copolymer stabilizer, 653C
Block copolymerization, 914C
Block copolymers, 207C, 299C, 436C, 1179C, 1753C, 1818C, 2023C, 2415C, 2697C, 3596C, 3665C, 3791C, 3845C, 3962C, 4095C, 4206C, 4247C, 127P, 1101P, 2051P
Block length, 2652P
Block–double graft, 1136C
Blocked prepolymer, 4032C

Blown films, 182P
Blue LED, 3086C
Blue light emmision, 1450C
Boc-*p*-aminostyrene synthesis, 2910C
Bond length, 3428C
Bootstrap effect, 60C
Boronic acid, 1302C
Bound polymer, 1595P
Branched, 560C, 2352C
Branched branches, 1210C
Branched polyethylene, 4258C
Branched polymer, 261C
Branched polymers, 2009P
Branching, 2340C, 4258C, 2634P
Brillouin scattering, 2170P
Bulk polycondensation, 117C
Bulk size, 2623C
Bulkiness, 220C
Bulky substituent, 310C
1,2-Butadiene, 1179C
1,3-Butadiene, 3293C
Butyl acrylate, 367C, 1100C, 2023C, 3612C
Butyl methacrylate, 2652C
Butyl propenyl ether, 229C

^{13}C NMR, 2147C, 2487C
^{13}C NMR relaxation, 2634P
^{13}C-labeled, 3486C
^{13}C-labeling, 1642C
$C_{26}H_{54}$, 2810P
$C_{44}H_{90}$, 2810P
$C_{50}H_{102}$, 2810P
C_{60}, 4519C
Camphorquinone, 876C
Carbamate method, 2740C
Carbazole, 90C
Carbazolyl derivatives, 679C
Carbon black, 1240P, 3106P
Carbon dioxide, 3783C, 2832P
Carbon felt, 1258P
Carbon monoxide, 752C, 1505C
Carbon nuclear magnetic resonance (^{13}C NMR), 3120P
Carbon-13 NMR, 1210C
Carbonaceous, 1589P
Carbonate, 3771C
Carbon-silica dual-phase filler, 1240P
Carbonylation, 1505C
Carbosilanes, 724C, 741C, 764C, 2749C
Carboxylic acid, 781C
3-Carboxylmethylcyclopentane-1,2,4-tricarboxylic dianhydride, 1943C
Cardo, 74C, 2787C, 4451C
Carrageenan–surfactant complexes, 2851P
Catalysis, 1753C
Catalyst, 1257C, 1639C, 4006C, 4299C
Catalyst effects, 3586C
Catalytic chain transfer, 810C, 1911C
Catalytic chain transfer polymerization, 3303C
Catalytic transfer hydrogenation, 2548C
Catalyzed reactions with diisocyanates, 2579C
Cation–ionomer–water interactions, 1512P
Cationic copolymerization, 2721P
Cationic latent thermal catalyst, 2945C
Cationic polymerization, 18C, 90C, 229C, 781C, 1919C, 2075C, 2728C, 4023C, 4362C
Cationic rearrangement, 826C
Cationic ring-opening polymerization, 337C, 1232C, 4057C, 4081C
Cationic units, 1302C
Cavitation, 2769P
Ceiling temperature, 2137C
Cellular structure characterization, 993P
Cellulose, 383P
Cellulose esters, 486P
Cellulose fiber, 2546P
Centrifugal field, 1764P
Ceramer, 1699P
Chain dimension, 1645P
Chain extension, 2240P
Chain fold, 516P
Chain geometry of block copolymer, 299C
Chain termination, 3161C
Chain transfer, 1753C
Chain-folded lamellae, 3302P
Chain-folding structures, 1209P
Chain-length-dependent termination rate coefficient, 697C
Chain-transfer agents, 3476C, 4490C
Chain-transfer constants, 170C
Chain-transfer mechanism, 376C
Chain-transfer reaction, 1232C
Change of crystal structure, 3656C
Characteristic ratio, 3163P
Characterization, 560C, 2505C, 2702C, 3390C
Charge equilibration method, 2232C
Charge transfer complex, 1568C, 2652C
Charge transport mechanism, 362P
Charge-transfer polymerization, 914C, 3521C
Chemical amplification, 954C
Chemical composition distribution, 1417C
Chemical conversion, 1129C
Chemical etching, 980P
Chemical modification, 2957C, 3440C
Chemical oxidative dispersion polymerization, 4238C
Chemical shifts, 4336C
Chemical-composition distribution, 1427C
Chemically induced phase separation, 1883P, 1893P
Chemorheology, 544P
Chemoselective polycondensation, 3875C
Chiral isotactic copolymer, 2919C
Chiral ligand, 2919C
Chiral methacrylate, 4315C
Chiral nematic phase, 887C
Chiral recognition, 3631C
Chiral smectic C phase, 1609C
Chirality induction, 3451C
Chitosan, 474C, 2804C, 1521P, 2591P
Chitosan/cyanoethyl chitosan/cholesteric liquid crystal, 980P
Chlorinated polyethylene, 1341P, 1496P, 2285P, 2943P
Chlorination, 3201P
Chlorine-containing polymers, 818C
Chlorine-functionalized polymer, 4373C
4-Chloro-1-phenol, 469C
Chloromethylstyrene, 3845C
Cholesteric phase, 1852C
Cholesteryl moiety, 3369C
Cinnamoyl, 4147C
Cinnamoyl chloride, 2405C
Circular dichroism, 2671C, 4524C
Cis content, 2964C
Clay, 2873P
Cloud point, 1139C, 1146C
Clusters, 1589P
CO_2/N_2 gas separation, 1707P
Coagent, 1417P
Coalescence, 2378P, 2390P
Coarsening process, 3042P
Cobalt catalyst, 1083C
Cobalt chelate, 1911C
Cobalt chloride, 552P
Cobalt complex, 3997C
COC, 2554P
Cocatalysts, 3106C
Co-continuous blends, 3106P
Coercive force, 2734C
Cohesive force of hard segment, 1716P
Coil-stretch, 2422P
Collapse, 2791P
Colloidal stability, 4230C
Column separation, 689C
Columnar mesophase, 698P
Comb polymer, 2794C
Comonomer response, 3161C

Compatibility, 2943P
Compatibilization, 1396P
Compatibilize, 1301P
Compatibilizer, 1795C, 23P, 1104P
Compensation law, 987P
Competitive ablation and polymerization, 943C
Complex formation, 516C, 1064C
Complex-coordinative polymerization, 2428C, 3476C
Complex-formation constant, 516C
Compliance, 2769P
Composite processing, 2154P, 2162P
Composition control, 1100C, 3253C
Compressed gas, 2457P
Compressive strength, 3053P
Computer programming, 1118C
Computer simulation, 1146P
Concentration, 205P
Concentration effect, 1024C,
Conducting composites, 2739P 3106P
Conducting polymers, 51C, 291C, 1698C, 1258P
Conduction, 122P
Conduction mechanism, 2507P
Conductive composites, 1756P
Conductivity, 2734C, 194P, 341P
Conductivity relaxation, 1193
Configuration, 1828C, 443P, 2221P
Confined geometries, 831P
Conformation, 2671C, 4088C, 4524C, 1P, 2554P
Conformation change, 2912P
Conformational dynamics, 2634P
Conjugated polymers, 1057C, 3173C, 3451C
Constitutional isomerism, 2106C
Constitutive equation, 942P
Constraint release, 248P
Contact angle, 138P, 1449P
Contact area, 1201P
Contact dermatitis, 4327C
Continuous reactor, 3181C
Continuous thermodynamics, 632P
Continuous-site model, 883P
Control of polymer microstructure, 1417C, 1427C
Controllability, 2872C
Controlled free-radical polymerization, 3845C
Controlled polymerization, 1706C, 2067C
Controlled radical polymerization, 3067C, 3596C
Controlled synthesis, 2121C
Convected constraint release, 222P
Convergent living anionic polymerization, 4289C
Convergent method, 4385C
Cooperative mechanism, 516C
Cooperativity, 2351P
Coordination complexes, 498C
Coordination crosslinks, 1931P
Copolycondensation, 1873C
Copolyester, 2124P, 2801P
Copolyesters, 1291C, 1934C, 3586C
Copoly(etherimide), 402C
Copolyimide, 2082C, 3954C
Copolymer, 154P, 435P
Copolymer composition, 1981C
Copolymerization, 220C, 1118C, 1203C, 1379C, 1590C, 1811C, 1866C, 2098C, 2239C, 2319C, 2543C, 2548C, 2663C, 3100C, 3161C, 4110C, 4299C
Copolymers, 1544C, 1934C, 3966C
Copper, 80C, 3498C
Copper buthanethiolate, 4353C
Copper chloride, 3839C
Copper oxide, 3839C
Copper phenylacetylide, 4353C
Copper selenide, 3839C
Copper sulfide, 3839C
Copper telluride, 3839C
Copper thiophenoxide, 4353C
Copper(I), 2678C
Core, 345C
Core–shell, 2989P
Core-shell functional nanospheres, 1110C
Core-shell morphology, 1301P
Core-shell rubber, 3136P
Corrections-to-scaling, 1053P
Correlation function, 1167P
Correlation time (τ_c), 1285P
Corrosion, 2893C, 3278C
Cosolute effect, 4218C
Cosolvency, 747P
Coterminated, 2352C
Counterion, 2791P
Coupling model, 1193P
Coupling reaction, 1195C
CP/MAS ^{13}C NMR, 1P
Creep, 2739P
Creep and recovery, 691P
CROP, 436C
Crosslink, 3092C, 2232P
Crosslink length, 456P
Crosslinkable, 1544C
Crosslinked polymer micelles, 1397C
Crosslinked polymer network, 1277C
Crosslinked polymer particles, 3181C
Crosslinked polymer precursor, 4396C
Crosslinked polymers, 2009P
Crosslinked SCLC polymer, 478P
Crosslinking, 876C, 2167C, 2456C, 2543C, 2970C, 3383C, 4396C, 1417P, 1521P
Crosslinking agent, 4038C
Crosslinking reaction, 818C, 1005P
Crown ether complex, 3604C
CRTG, 3569C
Crystal modulus, 1605P, 2901P
Crystal perfection, 1868P
Crystal structure, 376P, 403P, 3088P
Crystal structure nylons, 41P
Crystal structure polyamides, 41P
Crystal/crystal transition, 2571P
Crystalline disorder, 2937P
Crystalline polymers, 2611P
Crystalline, rigid amorphous, and mobile amorphous regions, 1285P
Crystalline transition, 1424P
Crystalline-noncrystalline structure, 1P
Crystallinity, 797C, 2032C, 2536C, 319P, 516P, 573P,
Crystallites, 2515P, 2564P
Crystallization, 23P, 154P, 707P, 1183P, 1860P, 2296P, 2625P, 2810P, 2912P, 3001P, 3136P
Crystallization analysis fractionation (CRYSTAF), 1267P
Crystallization behavior, 599P
Crystallization in confined geometry, 2041C
Crystallization kinetics, 53P, 309P, 934P, 1992P
Crystallization, nucleating agents, 3285P
Crystallization-induced composition changes, 1250P
Cure behavior, 2114P
Cure kinetics, 351P
Curing, 3486C, 4327C
Curing kinetics, 907C, 2213P
Curing process, 2879P
Curing reaction, 804C
Current density, 2032C
Curtius rearrangement, 1528C
Cyanex 471, 269C
Cyanine-borate salts, 2365C
Cyanoallene, 2075C
Cyclic diolefins, 3004C
Cyclic ketene acetal, 2075C
Cyclic monomers, 1379C
Cyclic oligomer, 416C, 1828C, 443P
Cyclic PMMA, 237C
Cyclic structure, 4403C
Cyclic voltammetry, 3828C

Cyclization, 416C, 775C
Cycloaddition, 2075C
Cycloaliphatic epoxy ester, 2934C
Cyclobutane-1,2,3,4-tetracarboxylic dianhydride, 108C
Cyclododecyl, 2787C
Cyclohexyl acrylate, 4038C
Cyclohexylcarbodiimidoethyl methacrylate, 855C
Cyclopolymerization, 1520C, 2663C, 3451C
Cyclosiloxane cores, 279C
Cyclotriphosphazene, 972C
Cyclotriphosphazene unit, 2300C

Damage, 383P
Damping, 1341P, 1496P, 2285P, 2943P
1,9-Decadiene, 1844C
Decene, 4110C
Decomposition, 2760C
Defects, 154P
Deformation, 2937P
Degenerative transfer, 3596C
Degradability, 2687C
Degradable, 1277C
Degradation, 198C, 1848C, 1972C, 3751C
Degradation mechanism, 583C
Degree of crystallinity by DSC, WAXD, and Raman spectroscopy, 1440P
Degree of orientation, 2912P
Degree of swelling, 1466C
Dendrimer, 724C, 764C, 1533C, 2749C, 3074C, 95P, 857P, 874P
Dendrimers, 1033C, 2711C
Dendritic, 4289C
Dendritic fragment, 189C
Dendritic hyperbranched polymers, 1883P, 1893P
Dendritic polymers, 2505C
Dendron, 4385C
Dendronized ligands, 2779C
Density functional theory, 3106C, 3161C
Density of state, 1812P
Depolymerization, 2794C
Depropagation, 1981C
Depyrimidination, 423C
Dequaternization, 4373C
Desilylation, 2415C
Desorption, 2268P
Dextran, 2392C
DGEBA, 2114P
Di-2,2,2-trichloroethyl *cis*-epoxysuccinate, 504C
Dialkylphenacylsulfonium salts, 1433C
Diallyl morpholinium bromide, 1006C
Diallyl tartrate, 161C
Diamagnetic anisotropy, 3256P
Diamine, 2375C, 1449P
1,5-Diaminonaphthalene, 1064C
2,6-Diaminonaphthalene, 1064C
2,3-Diaminophenol, 1698C
Dianhydride, 715C
Dianhydride monomers, 614C
1,8-Diazabicyclo 5.4.0}undecone-7, 3399C
Diazoresin, 2566C
1,2-Dichloroethane, 3412C
Dichlorosilanes, 2254C
Dichroism, 182P
Dicumyl peroxide, 3383C
Dicumyl peroxide (DCP), 3092C
Dicyanoarylene, 1318C
4,5-Dicyanoimidazoles, 3828C
Dicyclopentadiene dicarboxylic salts, 818C
Die swell, 1104P
Dielectric α relaxation, 234P
Dielectric constant, 1873C, 2791P
Dielectric material, 1283C
Dielectric permittivity, 1634P
Dielectric relaxation spectroscopy, 2436P
Dielectric relaxations, 987P, 1024P, 2105P, 2179P, 3070P
Dielectric spectroscopy, 1841P, 2154P, 2162P
Diels–Alder reaction, 237C
Diene-based material, 4070C
Diethyl 2,3-dicyano-2,3-diphenylsuccinate, 101C
Diethyl 2,3-dicyano-2,3-di(*p*-*N*,*N*-diethyldithiocarbamylmethyl)-phenyl-succinate (DDDCS), 2115C
Diethylene glycol bis 4-(4′-ethoxybenzoyloxy)benzoate}, 1833P
Differential scanning calorimetry (DSC), 1774C, 3161C, 1992P, 2841P, 3001P
Diffraction plane, 403P
Diffusion, 393P, 776P, 792P, 1078P, 1461P, 1773P, 1800P, 2136P, 2254P, 2954P
Diffusion coefficients, 415P, 846P, 1939P, 1998P, 2714P
Diffusivity, 273P, 1474P
Difunctional initiator, 436C
Diglycidyl ether of bisphenol A resin, 2934C
Diisocyanate, 715C, 1528C
Diluent, 4038C
Dimethyl itaconate, 2192C
Dimethyl titanium dichloride, 1639C
2-(Dimethylamino)ethyl methacrylate, 3821C
Dimethyloldiimide, 2645C
2-(3,5-dinitrobenzoyl)oxy}ethyl methacrylate, 1457C
Diols, 1270C, 1848C
Dioxane moiety, 2536C
1,3-Dioxepane, 436C
1,3-Dioxolan-2-one, 152
Diphenol, 1848C
Diphenyl phosphite, 1599C
Diphenyl(2,3-dihydro-2-thioxo-3-bezoxazolyl)phosphonate, 3875C
Dipole moments, 2179P
Direct polycondensation, 1C, 1599C, 3875C
Direct solution copolycondensation, 1270C
Disaggregation, 2644P
Disclination, 980P
Discoloration, 1673C
Discotic liquid crystals, 2366P
Discrete Edwards model, 1053P
Discrete Fourier series method, 691P
Disorder, 2901P
Disordering, 2810P
Dispersion, 3783C, 4419C, 4431C, 4441C, 1341P
Dispersion copolymerization, 2284C
Dispersion polymerization, 653C, 1146C, 1161C, 3855C
Distribution functions, 1053P
Distribution of relaxation times, 234P, 495P
3,4-Disubstituted pyrrole, 1214C
Ditelechelic, 3812C
Ditertiary oligoperoxides, 516C
Dithiocarbamate, 2121C
Dithiohydantoin, 4200C
Divergent method, 4385C
Di-2-cyanoethyl *cis*-epoxysuccinate, 504C
Di-2-methoxyethyl *cis*-epoxysuccinate, 504C
DMA, 1564P
DMTA, 3239P
DNA intercalator, 123C
DNA replication, 1247C, 4272C
Dodecanethiol, 170C, 367C, 1100C
Doi–Edwards theory, 222P
Donor number, 2791P
Doped films, 291C
Doping, 1294P
DOPO, 2260C
Double melting, 1868P, 3018P
Double ring-opening isomerization, 68C
Double-layered dendrimer, 764C
DQF-COSY, 1889C
Drawing, 1424P
Drawing condition, 1137P
Droplet size, 3042P
Drug delivery, 786C
Drug permeation, 823P

Drug-delivery-system model, 3369C
DSC, 907C, 2306C, 309P, 319P, 351P, 611P, 1045P, 1167P, 1564P, 2213P
DTA, 262P
Dual melting, 1167P
Dual-mode model, 883P
Dye adsorption, 3043C
Dynamic and static light scattering, 214P
Dynamic birefringence, 954P
Dynamic heterogeneities, 3070P
Dynamic mechanical analysis (DMA), 525P, 1687P
Dynamic mechanical properties, 936C, 2285P, 2721P
Dynamic mechanical thermal analysis, 2189P
Dynamic rheology, 2468P
Dynamic viscoelasticity, 954P
Dynamic vulcanization, 1104P
Dynamics, 1312P, 2611P

Effect of catalyst, reactants concentrations, carboxylic acids, and temperature, 2579C
Effects of Lewis base, 3355C
E-glass, 2351P
Elasticity of nanoparticle aggregates, 2658P
Elastomers, 411C, 752C, 4165C, 1417P, 1595P, 2247P, 2449P
Elastomers interfacial bonding, 3189P
Electric field, 435P
Electric properties, 3247P
Electrical conductivity, 3390C, 1626P
Electrical strength, 2309P
Electrical-thermal equilibrium, 1756P
Electrochromic, 3467C
Electroless plating, 3498C
Electroluminescence (EL), 3173C, 3405C
Electroluminescent device, 2032C
Electroluminescent materials, 2887C
Electron beam evaporation, 3151P
Electron paramagnetic resonance (EPR) studies, 3883C
Electron transfer, 90C
Electron-acceptor polymers, 1457C
Electron–electron interaction, 1656P
Electron-transfer sensitization, 3336C
Electro-optic coefficient, 546C
Electro-optic modulators, 2824C
Electropolymerization, 1698C
Electropolymerization kinetics, 1258P
Electrospray, 3933C
Electrospray ionization mass spectrometry, 4403C
Ellipsometer, 2929P
Emulsifier-free emulsion polymerization, 1323C
Emulsion, 3412C
Emulsion model, 1359P
Emulsion polymerization, 367C, 528C, 855C, 1100C, 1110C, 1477C, 2201C, 2219C, 3181C, 3347C, 3864C, 4206C, 4230C, 4490C
Emulsion procedure, 4373C
Enantioexcess effect, 4137C
Enantiomers, 3631C
Enantioselective alternating copolymerization, 2919C
Encapsulation, 2711C, 4419C, 4431C, 4441C
End group, 1880C
End-capped polymers, 4519C
End-functionality, 2405C
End-group, 145C, 376C
End-group functionalization, 207C
End-group modification, 2678C
End-to-end distance, 1053P
Energy release rate, 2769P
Energy transfer, 3933C
Entanglement, 1917P, 2043P, 3271P
Entanglement density, 3550C, 3558C
Entanglement loss, 222P
Entanglements, 2013C
Enthalpic parameter, 443P
Enthalpy, 319P
Enthalpy of fusion, 297P
Enthalpy relaxation, 456P, 495P, 2272P
Entropic parameter, 443P
Entropy, 319P
Environmental degradation, 2891P
Environmental stress cracking resistance (ESCR), 1267P
Enzymatic hydrolyzability, 4478C
Enzymatic polymerization, 1560C
Enzyme immobilization, 4506C
Enzyme-catalyzed, 1560C
EPDM, 3383C
Epitaxy, 80P, 3088P
Epoxidation, 2879C
Epoxide ring-opening polymerization, 3697C
Epoxide–amine, 537P
Epoxides, 90C, 1433C, 3697C, 329P
Epoxy, 776P, 792P, 1449P, 1687P, 2033P
Epoxy alcohol monomers, 389C
Epoxy resins, 921C, 972C, 3771C, 4457C, 456P, 1883P, 1893P, 2272P
Epoxy/phenol-novolac blend, 2945C
ϵ-Caprolactam, 4247C
ϵ-Thionocaprolactone, 4057C
Equilibrium concentration, 2137C
Equilibrium constant, 297P, 3181P
Equilibrium swelling, 810C
Erwinia gum, 1352P
ESCA, 1045C
ESI-MS, 152C
ESR, 3092C, 3383C
ESR spectrum, 509C, 2572C, 4137C, 4264C
Esterification, 818C, 1662C
Ester-interchange reaction, 590P
Esterolysis, 3586C
Estimation of reactivity ratios, 2555C
Etching, 297P
Ethene, 3161C
Ethene polymerization, 3106C
Ether linkage, 247C
Ethidium bromide, 123C
Ethyl α-propylacrylate, 2872C
2-Ethyl hexyl acrylate, 4038C
2-Ethyl hexyl methacrylate, 4038C
Ethylbenzene, 1078P, 1461P
Ethylene, 752C, 1803C, 1844C
Ethylene copolymer, 1966C
Ethylene glycol divinyl ether, 1848C
Ethylene insertion, 571C
Ethylene polymerization, 462C, 4258C
Ethylene-1-octadecene copolymers, 1440P
Ethylene–styrene copolymers, 2976P
Ethylphenylketene, 1073C
Ethynylsilane, 764C, 2749C
Europium complex, 3405C
EVA/wax blends, 707P
Even-even nylons, 1209
EVOH copolyamide, 813P
Exact graft copolymer, 931C
Exchange, 2124P
Excimer laser ablation, 1903C
Excluded volume, 2366P
Exo-3,6-epoxy-1,2,3,6-tetrahydrophthalimidoethanoyl-5-fluorouracil (ETFU), 4272C
Expanded graphite, 1626P
Expansion, 1553P
Expansion of the unit cell, 1440P
Exponential concentration dependence, 1998P
Extended-chain crystals, 1612P
Extrusion molding, 698P

^{19}F NMR, 297P
F-actin, 3256P
Fast T-ramp DSC, 1662P
Fast transient fluorescence, 739P
Fatty acid, 95P
6FDA-durene hollow fibers, 765P
6FDA-durene polyimides, 765P, 2703P
6FDA-durene/pPDA copolyimides, 2703P
Ferric oxide, 1161C
Ferroelectric phase transition, 34P
Ferromagnetic properties, 2734C
Fiber, 194P, 1424P
Fiber modulus, 1605P
Fiber motion, 1788P
Fiber orientation, 1788P
Fiber spinning, 1872P
Fiber suspensions, 1788P
Fibroin, 1436P
Filled vulcanizates, 1240P
Filler-filler interaction, 1240P
Fillers, 2658P,
Films, 3510C, 813P
Five-membered cyclic dicarbonate, 2375C
Flame retardancy, 2260C
Flame retardant, 972C
Flameproof material, 2815C
Flat punch, 10P
Flip chip, 3771C
Flocculation, 1276P
Flow, 2422P
Flow-behavior index, 1104P
Flower-like micelles, 1312P
Fluid-holding capability, 3028C
Fluorescence, 2381C, 2711C, 3933C, 4147C, 2923P
Fluorescence detector, 2177C
Fluorescence quenching, 982C, 4147C
Fluorescence structural self-quenching effect, 679C
Fluorescent brightening, 1291C
Fluorescent polymer, 1450C, 2177C
Fluorinated, 3722C
Fluorinated aromatic polymers, 1991C
Fluorinated block, 1179C
Fluorinated lactones, 2004C
Fluorinated polymers, 2179P
Fluorination, 486P
Fluorine-containing catalysts, 2428C, 3476C
Fluorine-containing polyimides, 2077P
Fluorine-containing polymers, 1873C
Fluoroalcohol, 220C
Fluoroalkyl, 1024C
Fluorocarbon copolymers, 1344C
Fluorocarbons, 273P
Foams, 716P
Formaldehyde, 2293C
Formaldehyde oxime, 1866C
Forward recoil spectrometry, 1547P
Fourier transform infrared (FTIR), 3161C, 907P
Fourier transform infrared spectroscopy, 1716P
Fractal, 584P
Fractional free volume, 1222P
Fractions, 2810P
Fracture, 965P
Fracture toughness, 2409P
Fragility, 1841P, 3070P
Free enthalpy, 319P
Free radicals, 1323C, 2269C, 2456C, 3092C, 3383C, 3864C
Free volume, 341P, 899P, 922P, 3062P, 3098P
Free-radical capture, 2201C
Free-radical polymerization, 299C, 482C, 2342P
Free-volume hole size distribution, 3462C
Free-volume theory, 846P, 2429P
Friction force, 654P
Friedel–Crafts reaction, 1366C
Frontal polymerization, 1129C, 3984C
FTIR, 329P, 1662P, 2891P
Fuel cells, 1734P, 3277P
Fugitive salts, 1951C
Full-chain dynamics, 248P
[60]Fullerene, 3578C
Fullerene, 1749P
Fullerene 60, 2572C
Fullerene radical, 2572C
Functional groups, 1911C
Functional initiator, 1834C
Functional nanospheres, 3347C
Functional polymer, 123C
Functional polyolefin, 1337C
Functionalization, 145C, 1795C
Functionalization at specific sites, 3791C
Functionalization of polyolefin, 1844C
Functionalized polyisobutylene, 444C
Functionalized polyolefin, 1966C

Galactaric, 594C, 604C
γ Rays, 659P
γ-aminopropyltriethoxysilane, 80C
γ-*gauche* effect, 1P
γ-Ray irradiation, 214P
γ-Ray polymerization, 2671C, 4524C
Gas, 716P
Gas barrier, 3151P
Gas permeability, 1951C, 2840C, 1222P
Gas permeation, 1749P
Gas separation, 765P, 2051P
Gas separation membrane, 1833P
Gas sorption, 883P
Gas transport properties, 2703P
Gas-free initiators, 3984C
Gas-transport, 393P
Gel, 1729P, 2791P
Gel conversion, 726P
Gel permeation chromatography (GPC), 1323C, 2177C, 3161C, 1352P
Gel permeation chromatography/light scattering, 2678P
Gelation, 122P, 544P, 1729P
Gelation theory, 2333P, 2342P
Gel-sol transition, 2400P
Generalized Flory–Huggins model, 632P
Genipin, 2804C
GI polymeric rod, 1764P
Gibbs free energy, 1812P
Gilch polymerization, 4185C
Glass blowing, 3211C
Glass transition, 261C, 68P, 101P, 456P, 1341P, 1496P, 1841P, 1931P, 2105P, 2232P, 2285P, 2750P, 2785P, 3070P, 3136P
Glass-transition temperature, 498C, 715C, 1457C, 726P, 2072P, 2213P, 2652P, 3009P
Glassy polymer, 846P, 883P, 1474P
Glassy state, 537P
Glucaric, 594C, 604C
Glycidyl methacrylate, 80C, 1195C, 3498C
Glycidyl phenyl ether, 18C, 3428C
Glycine, 352C
Graft, 3944C
Graft copolymerization, 80C, 3543C
Graft copolymers, 810C, 1033C, 1195C, 1753C, 2306C, 2440C, 599P
Graft SIN, 136C
Grafting, 2456C
Grafting and kinetic parameters, 4506C
Graft-polymers, 1911C
Grandjean texture, 1852C
Green emitting diode, 4185C
Grignard reaction, 2702C
Group transfer polymerization, 1457C, 1818C, 2855C

^{1}H NMR, 2671C, 4407C, 4524C
^{1}H NMR spectroscopy, 2760C
H_{12}MDI, 2579C
Hairy-rod polymer, 1331P
Half-life, 3984C
Half-sandwich metallocenes, 2428C, 3476C

Half-titanocene catalyst, 411C
Haloaldehyde polymers, 2623C
Haloalkoxylation, 3729C
Halogenated, 3900C, 4062C
Halogen-substituted polyamides, 3911C
5-Halo-*m*-phenylenediamines, 3911C
Hammett σ constant, 4336C
Hardness testing, 10P
Hard–soft acid base, 1083C
Head space, 2268P
Head-to-head linkages, 4013C
Heat capacity, 319P, 622P, 1584P, 1812P
Heat-resistance, 1203C
Heck reaction, 1057C
Hedrites, 672P
Helical conformation, 2293C
Heteroaromatic chromophore, 28C
Heteroatoms, 269C
Heterogeneity, 3201P
Heterogeneous catalysis, 2979C
Heterogeneous polymerization, 1834C
1,5-hexadiene, 1520C, 1590C
1-Hexene, 3161C
1-Hexene polymerization, 3802C
H—H defect, 297P
High conversion, 1118C, 3303C
High modulus, 61P
High performance liquid chromatography, 1828C
High pressure, 1612P, 3168P
High pretilt angle, 1943C
High-density polyethylene (HDPE), 2634P
Higher order structure, 1436P
High-performance liquid chromatography, 2767C
High-pressure phase behavior, 2832P
High-pressure polycondensation, 1391C
High-speed melt spinning process, 2841P
High-speed melt-spun nylon 6 fibers, 1285P
High-spin polymer, 4119C
High-tension annealing, 61P
Hindered monomer, 2192C
Hindered phenol, 1496P, 2285P, 2943P
HMBC, 1889C
Hole injection/transport layer, 4185C
Hole mobility, 362P
Hole-transport moieties containing poly(arylene ether)s, 2740C
Hole-transporting layer, 2032C
Homogeneous copolymers, 1975P
Homogeneous metallocene, 571C
Homogenization, 590P
Homopolymerization, 1866C
Homopolymers, 1544C
Horner–Emmons condensation, 3173C
Hosemann plot, 2901P
Hosemann's theory, 2937P
Hot-air drawing, 1137P
HSQC, 1889C
Human-bone collagen, 987P
Humidity, 3247P
Humidity sensor, 4343C
Hybrid materials, 321C
Hybrids, 1972C
Hydration, 329P
Hydride, 1911C
Hydroboration, 1195C
Hydrocarbon separation, 2954P
Hydrocarbons, 273P
Hydrocarbons separation, 1800P
Hydrofluorocarbon solvents, 2832P
Hydrogels, 474C, 810C, 1466C, 1931C, 2549C, 2671C, 4524C, 907P, 2063P, 2823P, 3309P
Hydrogen abstraction, 1344C
Hydrogen bonded, 2469C
Hydrogen bonding, 1P, 1323P, 1699P, 2409P, 2750P, 3053P
Hydrogen bonds, 220C, 4315C, 171P, 329P, 1848P, 2891P, 2943P
Hydrogen peroxide, 3293C
Hydrogen production, 1656C
Hydrogenation, 2900C, 3900C
Hydrogen-bonding, 207C
Hydrogen-bonding complexes, 1276P
Hydrogen-transfer polymerization, 430C
Hydrolysis, 914C, 1344C, 2702C, 3440C, 3674C
Hydrolytic stability, 1647C
Hydrophilic aggregation, 1903P
Hydrophilic matrices, 489C
Hydrophobic aggregation, 1903P, 2081P
Hydrophobic effect, 4218C
Hydrophobic forces, 3200C
Hydrophobic polymers, 1991C
Hydrophobic recovery, 3028C
Hydrosilation, 724C, 2749C, 3200C
Hydrosilylation, 35C, 741C, 804C, 1136C, 1179C, 2970C, 3722C
Hydrosilylation mechanism, 837C
Hydrosilylation reaction, 1844C
Hydroxy phenyl maleimide, 641C
2-Hydroxyalkyl methacrylates, 3188C
4-Hydroxybutyl vinyl ether, 3751C
2-(hydroxy)ethyl methacrylate, 1457C
2-Hydroxyethyl methacrylate copolymer, 659P
2-Hydroxyethyl vinyl ether, 3751C
6-Hydroxyhexyl vinyl ether, 3751C
Hydroxyl-terminated polybutadiene, 2861P
Hydroxypropylcellulose, 1323P
Hydroxy-terminated fluoropolyethers, 2579C
Hyperbranched, 3736C, 3944C, 4289C
Hyperbranched polyacid, 4457C
Hyperbranched polymers, 389C, 741C, 2505C, 2970C, 3074C, 4457C
Hypercrosslinked polystyrene, 1553P
Hypsochromism, 1311C

Imaging, 3043C
Imaging plates, 838P
Imide isomerization, 3244C
Imide oligomers, 4247C
Imide-containing elastic polymer, 715C
Imide-functional phenolic resin, 641C
Imidoarylene, 1318C
Imines, 1866C
Iminodiacetic acid, 4308C
Immobilized lipase, 1560C
Immortal polymerization, 2861C
Impact modifier, 942P
Impurity effects, 2319C
In situ copolymer, 1396P
In situ poling, 546C
In situ polymerization, 4165C
In situ structural development, 1872P
In situ supported metallocene catalyst, 462C, 1803C
In vitro cytotoxicity, 1247C, 4272C
In vivo antitumor activity, 1247C, 4272C
Indane diamine, 2840C
Indentation, 10P
Industrial microbiology, 667C
Inertial fusion energy, 3412C
Infrared dichroism, 2449P
Infrared spectroscopy, 3106C, 516P
Infrared spectrum, 1642C
Inherent viscosity, 1154C, 2032C
Inhibitor, 2572C
Iniferter, 2121C, 3558C
Initiation, 2156C
Inorganic/organic hybrid, 1443C
Insulation materials, 1873C
Interaction coefficients, 1155P
Interaction configurations, 329P
Interaction energies, 2666P

Interaction parameter, 369P
Interaction point, 1188P
Intercalation, 1626P
Interface, 942P, 2351P
Interface and interphase, 2154P, 2162P
Interface distribution function, 1167P
Interfacial, 560C
Interfacial activity, 1564P
Interfacial anchoring, 108P
Interfacial layer, 127P
Interfacial roughness, 1396P
Interfacial tension, 1359P, 2096P
Interlinking, 3189P
Intermacromolecular complexation, 1069P
Intermediate nematic coupling, 478P
Intermolecular interaction, 2923P
Internal alkyne, 2697C
Interparticle separation, 2739P
Interphase, 2351P, 2989P
Interphase material, 2409P
Interpolymer complex, 1323P
Interpolymer complexation, 2823P
Interpolymer interactions, 501P
Intersheet shear, 3302P
Intramolecular cyclization, 726P
Intramolecular photocyclization, 4147C
Intrinsic viscosity, 2591P
Inverse gas chromatography, 1155P, 1965P, 2429P
Iodine, 3247P
Iodonium and sulfonium compounds, 982C
Ion bombardment, 3062P
Ion cluster, 1307P
Ion exchanger, 3181P
Ion irradiation, 1589P
Ion recombination, 3378C
Ionic aggregates, 1307P
Ionic and nonionic comonomers, 3347C
Ionic cluster peak, 1307P
Ionic comonomer, 1110C
Ionic conductivity, 2154P
Ionic emulsifier, 1477C
Ionization, 4238C
Ionization equilibrium, 1824P
Ionomer, 823P, 1307P
IPDI, 2579C
IR spectroscopy, 182P, 1405P
Iron, 2893C, 3278C
Iron chloride, 4308C
Iron corrosion, 3284C
Irradiation, 1656C, 329P
Irreversible conformation change, 1188P
Irreversible melting, 622P
Isobutylene, 444C, 1568C
Isobutylene copolymers, 1680C
Isocyanate functionalized star, 2555C
Isoelectric state, 1824P
Isoimide polycondensation, 3244C
Isomeric monomers, 3883C
Isophthaloyl chloride, 4451C
Isopropylidene, 2687P
4,4′-Isopropylidenediphenol, 3059C
Isospecific *ansa*-metallocene diamide, 1687C
Isotactic, 2487P, 2580P
Isotactic beta polypropylene, 672P
Isotactic graft copolymer, 1241C
Isotactic polypropylene (*i*PP), 1037P, 1947P, 2480P
Isotactic polystyrene, 1183P, 2912P
Isotactic poly(1-butene) (*i*P1B), 2480P
Isotactic poly(4-methyl-1-pentene) (*i*P4M1P), 2480P
Isotactic poly(4-methylpentene-1), 3088P
Isotacticity, 2232C
Isothermal crystallization, 1250P, 1947P, 2580P
Isothermal crystallization kinetics, 3230P
Isothermal cure kinetics, 2945C
Isothermal curing, 907C
Isothiocyanate, 4200C
Isotope and pressure effects, 632P
Isotropization, 2810P
Itaconate, 2487C
ITO electrode, 2032C

Janus structure, 2091C

Karstedt catalyst, 1179C
Keto group, 179C
Ketone, 1785C
Kinetic constants, 3883C
Kinetic simulation, 299C
Kinetics, 1477C, 2201C, 2219C, 2526C, 2579C, 3293C, 4238C, 2124P
Kinetics of dehydration, 954C
Kinked structure, 988C

Labeled polyethylene, 730C
Lacquer tree (Toxico-dendron vernicifluum), 4327C
Lacquerware, 4327C
Lactones, 1355C, 2067C
Ladder polymers, 3451C
Ladderlike, 1449P
Ladderlike 4,4′-phenylene ether-bridged polyvinylsiloxane, 2702C
Ladderlike polymers, 138P
Lamella curving and splaying, 672P
Lamellae, 3210P
Lamellar cluster, 1037P
Lamellar crystals, 1209
Lamellar ordering, 707P
Lamellar thickening, 2571P
Lanthanides, 1931P
Lap shear, 654P
Large-amplitude motions, 319P
Laser, 3412C
Laser light scattering, 2077P, 2644P
L-Aspartic acid, 117C
Latent catalyst, 35C, 2934C
Lateral crystalline compliances, 755P
Lateral free energy, 2515P
Latex, 855C
Latex blends, 2189P
Latex films, 2989P
Lattice model, 4128C
Lattice–fluid theory, 2666P
Lauryl acrylate, 4038C
LCP, 3586C, 1090P
LD_2, 3168P
Leonard's interaction parameter, 443P
Lewis acid, 1184C
Life sciences/materials sciences, 667C
Light scattering, 2711C, 889P, 1348P, 2678P, 3032P
Light-emitting diodes (LED)s, 3173C, 3405C
Light-emitting polymers, 2381C, 2492C
Linear, 2925C
Linear low-density polyethylene (LLDPE), 1417C, 1427C, 2979C, 2634P
Linear oligomer, 443P
Linear PE, 1975P
Linear standard, 3120P
Linear structure, 1348P
Linear thiopolyesterdiols, 3977C
Linear viscoelasticity, 248P, 942P, 1359P
Linear-dendritic block copolymer, 4282C
Linearly polarized light, 682P
Lipase, 2004C, 4506C
Liquid chromatography, 2284C
Liquid crystal, 2923P
Liquid crystal polymers, 1609C, 4466C
Liquid crystalline (LC), 1214C, 1852C, 2469C, 3173C
Liquid crystalline polymer, 988C, 2221P, 3018P
Liquid crystals, 3631C
Liquid urethane prepolymers, 2555C
Liquid-crystal displays, 108C
Liquid-crystalline copolyesters, 2013C

Liquid-crystalline copolymer, 887C
Liquid–liquid demixing, 632P
Liquid–liquid phase separation, 707P
Lithium chloride, 145C
Lithium salt, 2900C
Lithium triflate, 341P
Living, 3864C, 4206C
Living anionic polymerization, 237C, 1073C, 2415C, 2543C, 2855C, 3742C
Living carbocationic polymerization, 444C
Living cationic polymerization, 706C, 3578C, 3962C
Living end-capping, 3791C
Living free-radical polymerization, 1033C
Living growing-end concentration, 229C
Living linking agent, 931C
Living polymerization, 229C, 781C, 1706C, 1919C, 2697C, 2728C, 2861C, 3011C, 3631C, 4023C, 4362C
Living polymers, 3211C
Living radical polymerization, 706C, 2115C, 2121C, 2678C, 3839C, 4353C
Living radical telomerization, 3235C
Living/controlled radical polymerization, 101C, 1203C
Local polymer dynamics, 2634P
Local relaxation of glassy polymers, 682P
Long alkyl group, 3419C
Long-chain branching, 376C, 2965P, 3120P
Long-lived propagating species, 4362C
Low dielectric constant, 1991C, 2840C
Low energy net planes, 1617P
Low-density polyethylene (LDPE), 755P, 2634P
Lower critical solution temperature, 3674C
Lower critical swelling temperature, 907P
Low-frequency Raman spectroscopy, 1133
Low-κ, 1991C
Low-temperature toughness, 108P
Luminance, 2032C
Luminescence, 1493C
Lyotropic liquid crystal, 1331P

Macrocycles, 3656C
Macrocyclic, 9C
Macroinitiator, 4081C
Macromer, 810C, 1753C
Macromolecular asymmetry, 2623C
Macromolecular structure, 4407C
Macromonomer, 1139C, 1811C, 2284C, 3052C
Macroporosity, 1366C
MADIX, 4206C
Magnetic, 1161C
Magnetic tape, 3284C
Main-chain chromophore bonding, 2245C
Main-chain NLO oligomers and polymer, 546C
Main-chain syndioregic polymer, 2824C
MALDI-TOF-MS, 4023C
Maleated PE, 1337C
Maleated PP, 1337C
Maleic acid, 2240P
Maleic anhydride, 2239C, 2652C, 3074C, 3521C, 3596C, 3919C
Maleimide, 2872C, 2879C
Maleimidoethanoyl-5-fluorouracil (MIEFU), 1247C
Mandelic acid, 1504P
Mannaric, 594C
Marcus theory, 2365C
Mark–Houwink–Sakurada equation, 2591P
Markovian model, 2333P, 2342P
Masked isocyanate group, 1396P
Mass spectrometry, 3933C
Mass uptake, 1939P
Mass-transfer limitations, 4490C
Mathematical model, 2201C, 2219C, 4490C
Mathematical modeling, 1408C
Matrix resin, 641C
Matrix structure, 205P
Matrix synthesis, 489C
$Me_2Si(Flu)_2ZrMe_2$–MAO catalyst system, 1844C
Mean-field crosslink density, 726P
Mechanical, 194P
Mechanical properties, 136C, 10P, 23P, 698P, 755P, 1090P, 1137P, 1377P, 1504P, 3289P
Mechanical relaxations, 1687P, 2179P
Mechanism, 152C, 1355C, 1756P
Mechanism of ring-opening polymerization, 4179C
Mechanism transformation, 337C, 436C
Mechano-optical tack tester (MOTT), 1201P
Medium molecular weight, 1247C, 4272C
Melt elasticity, 1104P
Melt polyaddition, 3977C
Melt polycondensation, 1673C, 3977C
Melt polymerization, 3586C
Melt reaction, 1222C
Melt rheology, 2013C
Melt viscosity, 1104P
Melting, 53P, 262P, 2810P
Melting behavior, 934P
Melting point, 2536C, 154P, 297P
Melts, 3168P
Membrane, 895C, 747P, 1707P, 1749P, 1800P, 2954P, 3062P
Membrane design, 171P
Mercury method, 3521C
Mesogen, 2247P
Mesogenic side group, 1609C
Metal adsorption, 269C
Metal catalysis, 3011C
Metal catalyzed living radical polymerization, 3313C
Metal complex, 2815C
Metal ion-exchange resin, 689C
Metal-free, 1560C
Metal–ion–polymer complex, 2635C
Metallocenes, 1184C, 1408C, 1417C, 1427C, 1590C, 2232C, 2333C, 2979C, 3106C, 108P, 1947P, 2468P
Metallocene catalysts, 376C, 1520C, 1966C, 3106C, 4110C, 4258C, 1440P
Metallomesogens, 4466C
Metalloporphyrin, 2861C
Meta-polyaniline, 4194C
Metastability, 1926P
Metastable melt, 53P
Metathesis, 1544C
Metathesis polymerization, 2697C
Methacrylate, 954C, 2340C
Methacrylate polymers, 2666P
2-Methacryloloxyethyl phosphorylcholine (MPC), 3052C
Methacryloyl group, 2671C
Methacryloyl isocyanate, 469C
2-Methacryloyloxyethyl isocyanate, 4315C
2-Methacryloyloxyethyl phosphorylcholine, 509C
Methanol, 2254P
Methanol conditioning, 1474P
Methanol permeability, 3277P
Methoxylation, 3900C
4-Methoxystilbene, 682P
Methyl methacrylate, 170C, 367C, 1100C, 1811C, 2023C, 2440C, 2855C, 3303C, 3543C, 3839C, 4038C, 4308C, 4353C
Methyl pendant poly(*p*-phenylene benzobisimidazole) (MePBI), 3053P
Methylaluminoxane, 411C, 1966C, 2333C, 3106C, 4258C
Methylaluminoxane catalysts, 3106C
Methylcellulose, 1323P

Methylene blue, 2057C, 3336C
5-Methylene-1,3-dioxolan-4-one, 1861C
Methyl-substituted catalyst, 3161C
m-Ethynylphenol, 2352C
$MgCl_2$ supported catalyst, 3355C
Micelles, 2711C
Microcalorimetry, 2019P
Microcellular polymers, 691P
Microclusters, 1931P
Microdomain interface, 1645P
Microdomain structure, 1716P
Microelectronic packaging, 1991C
Microelectronics, 1634P
Microencapsulation, 3412C
Micron size range, 653C, 3855C
Microphase segregation, 2750P
Microphase separation, 715C, 584P, 1005P, 1123P, 1707P, 3070P
Microphase-separated structure, 2081P, 2247P
Microspheres, 786C, 2091C, 3412C
Microstructure, 516C, 826C, 837C, 846C, 1520C, 1680C, 1687C, 2147C, 4070C, 61P
Microtubules, 2359C
Microwave cure, 2526C
Microwave irradiation, 1379C
Microwave oven, 1154C
Microwave-assisted rapid polycondensation, 1154C
Mineral oil, 1841P
Miniemulsion, 4431C
Mini-emulsion polymerization, 1818C, 3188C, 4419C, 4441C
Miscibility, 351P, 403P, 562P, 803P, 1155P, 1341P, 1530P, 1547P, 1860P, 1947P, 2296P, 2409P, 2580P, 2666P, 2976P
Miscibility window, 127P
Miscible blends, 234P, 1405P
Mixed micelles, 4218C
Mixed system, 84P
Mobile order, 43C
$Mo(CO)_6$, 2663C
Model, 2422P
Model compound, 999C, 2456C
Model discrimination, 2319C
Modeling, 560C, 1014C, 383P
Modification, 3919C, 3944C
Modification of synthetic matrix, 489C
Modulus, 810C, 2873P
Moisture, 776P, 792P
Moisture uptake, 2351P
Molar mass, 2750P
Molecular architecture, 3211C, 857P
Molecular composites, 1369P, 1377P
Molecular composition, 2309P
Molecular mechanics, 2232C
Molecular modeling, 1617P
Molecular motion, 88P, 2571P
Molecular orientation, 698P, 1605P, 2901P
Molecular recognition, 2779C
Molecular theory, 509P
Molecular weight, 1687C, 2767C, 3390C, 4490C, 2591P
Molecular weight between crosslinks, 2063P, 3309P
Molecular weight distribution, 367C, 1100C, 1408C, 1417C, 1427C, 1803C, 3303C, 509P, 1539P, 2009P, 2043P, 2333P, 2342P
Molten blends rheology, 469P
Molten film, 1045C
Molybdenum catalyst, 2697C
Monocyclopendienyltitanium trichloride, 127C
Monodisperse, 2378P
Monodisperse beads, 3270C
Monodisperse particles, 3855C
Monoenergetic positron beams, 101P
Monolithic column, 2767C
Monomer, 1785C
Monomer reactivity, 3883C
Monomer reactivity ratios, 60C, 4315C
Monomer sequence, 1270C
Monomers, 2137C
Monosubstituted polyacetylene, 3419C
Monte Carlo method, 2009P
Monte Carlo simulation, 590P, 1053P
Monte Carlo simulation technique, 1005P
Morphological structure, 2714P, 2879P
Morphologies, 2409P
Morphology, 136C, 345C, 462C, 23P, 599P, 1101P, 1104P, 1369P, 1860P, 1947P, 2033P, 2136P, 2189P, 2296P, 2309P, 2564P, 2580P, 2801P, 3210P, 3230P
MTBE, 2254P
m-Terphenyl units, 2381C
Multi-angle laser light scattering, 1352P
Multiblock copolymers, 3550C
Multicomponent polymer membrane, 584P
Multiple melting endotherm, 2515P
Multistage copolycondensation, 1270C
Mutual diffusion mechanism, 2154P, 2162P
m-Xylylenediamine, 504C
N-(2-phenylethoxycarbonyl)-methacrylamide, 4264C
N-acylacrylamide, 430C
N-acylurea, 715C
Nafion, 1512P
3-n-alkylcatechols, 4327C
Nanocomposites, 1595P, 1626P, 2366P, 2873P
Nanoparticle chain aggregates, 2658P
Nanophase, 611P
Nanosphere, 3052C
Nanosphere size control, 1110C
Nanospheres, 1811C
Nanostructured materials, 1397C
Naphthalene diimide, 3467C
4,4′-(1,6-Naphthalenedioxy)-dibenzoic acid, 1172C
4,4′-(2,3-Naphthalenedioxy)-dibenzoic acid, 1172C
Naphthoate mesogen, 2923P
Naphthyl-substituted benzidine derivatives, 2740C
N-arylation, 28C
Nascent poly(acrylonitrile), 2571P
Natural rubber, 525P, 2189P
Naturally occurring crosslinker, 2804C
N′-(β-methacryloyloxyethyl)-2-pyrimidyl-(*p*-benzyloxycarbonyl) amino-benzenesulfonamide, 2548C
n-Butyl acrylate, 528C
N-carboxyanhydride, 3011C
N-cyclohexylmaleimide, 1203C
n-Dodecyl mecarptan, 4490C
Near-infrared spectroscopy, 2449P
Negative plasticization, 1998P
Negative tone, 1283C
Negative working, 329C
Neighboring effect, 837C
Nematic liquid crystal, 4128C, 3256P
Nematic phase, 1630C
Nematogen mixtures, 478P
Network mobility, 1553P
Network polymer, 2543C
Network structure, 3289P
Networks, 2306C, 2900C, 537P
Neutron scattering, 1645P
New monomer, 1014C
New polyamide film, 936C
Nickel, 498C
Nickel catalysts, 3004C
Nickel complex, 4194C
Nickel(II) acetylacetonate, 1241C
N-isopropylacrylamide, 474C
Nitrogen, 1078P
Nitroisophthalate, 1934C
Nitroterephthalate, 3761C
Nitroxide, 3067C, 3845C
N-methylolmaleimide–benzene photoadduct, 2645C

NMR, 3390C, 889P, 2487P
NMR spectrometry, 1680C
NMR spectroscopy, 2611P, 3277P
NMR spectrum, 1642C
NMR structural analysis, 1568C
Nonexponential relaxation, 2232P
Non-Fickian diffusion, 2954P
Nonhydrolysable crosslinker, 1006C
Nonionic water-soluble polymer, 1069P
Nonisothermal induction time, 309P
Nonlinear optical polymers, 2824C
Nonlinear optics, 962C
Nonlinear spherulite growth, 1250P
Nonlinear viscoelasticity, 691P
Nonrandom crosslinking, 2333P, 2342P
Nonsymmetric monomer, 2106C
Norbornenes, 3521C
Normal mode analysis, 1812P
N-phenyl maleimide, 2548C
N-substituted maleimide, 310C
N-*tert*-butyl-*N*-allylacrylamide, 2098C
*n*th order reaction, 907C
Nuclear magnetic resonance (NMR), 3161C
Nuclear Overhauser effect (NOE), 2634P
Nuclear Overhauser enhancement, 2823P
Nucleating promoters, 3285P
Nucleation, 2201C
Nucleophilic addition, 329C
Nucleophilic aromatic substitution, 1487C, 3828C
Nucleophilicity, 18C
Nucleotide sensing, 1302C
Nucleotide-responsive hydrogels, 1302C
N-vinylcarbazole, 3697C
N-vinylformamide, 3674C
N-vinylisobutyramide, 3674C
N-vinylpyrrolidone, 3997C
Nylon 46, 41P
Nylon 6 fiber, 1137P
Nylon-6, 1630C, 4247C, 1626P
Nylon-6 block copolymers, 4154C
Nylon-8, λ-structure, 3302P
Nylon/EPR, 2136P
Nylons, 41P, 3042P

Occlusion, 1834C
Octadecene, 4110C
1-Octene, 4299C
Octene, 4110C
Odd-even effect, 2536C
Oil-palm fiber, 916P
1-Olefin, 2333C
Olefin polymerization, 3106C
Oligoimide thermal properties, 2993C
Oligoimides allyl terminated, 2993C
Oligomer, 1911C, 2247P
Oligomer formation, 4362C
Oligomers, 1323C, 2623C
Oligonucleotide delivery system, 1110C, 3347C
Oligostyrene, 954P
OLOA 370, 4419C, 4431C, 4441C
ω-amino-polystyrene, 1618C
ω-azido-polystyrene, 1618C
ω-hydroxy-polystyrene, 1618C
ω-tosylate-polystyrene, 1618C
193-nm lithography, 954C
One-pot polymerization, 2603C
Onium salt, 90C
Open space, 101P
Optical activity, 2623C
Optical loss, 2824C
Optical properties, 1493C
Optical spectroscopy, 68P
Optical stability versus structure, 2245C
Optically active polyesters, 2004C
Optically active polymers, 310C, 1154C, 4088C, 4315C
o-Quinodimethane, 3434C
Order parameter, 3256P
Organic acid, 1232C
Organic base, 3399C
Organic hybrid, 1341P, 1496P, 2285P, 2943P
Organic light-emitting diodes, 2740C, 2887C
Organic solvent, 2791P
Organogel morphologies, 631C
Organolanthanides, 4095C
Organometallic, 3032P
Organo-soluble, 1090C, 2082C, 3954C
Oriental lacquer, 4327C
Orientation, 182P, 813P, 1133P, 1405P, 1679P, 2449P, 3222P
Orientation angle, 222P, 509P
Oriented lamellar-stack morphology, 755P
ortho-Linked, 1551C
Ortho-positronium, 1123P
Orthopositronium lifetime and intensity, 3462C
o-terphenyl, 9C, 758C
Ovalbumin, 1729P
Oxaalkylene, 604C
Oxadiazole, 3086C
Oxazoline, 1222C, 1795C
Oxidation, 453C
Oxidative copolymerization, 4407C
Oxygen barrier, 1679P
Oxygen inhibition, 3336C
Oxygen permeability, 2964C
Oxygen-functional comonomer, 1966C

PA, 23P
PAI, 614C
Palladium catalyst, 2919C
Palladium complex, 28C
PALS, 1045P
PAMAM dendrimers, 4147C
Paraffin, 2810P
Partial methylation, 921C
Partial retraction, 222P
Particle coagulation, 3612C
Particle nucleation, 2219C, 3188C
Particle size distribution, 528C
Particles, 345C
Particle-size distribution, 2219C
Patterns scheme, 4336C
PBO fiber, 2901P
PBT, 23P, 262P, 403P
Pd catalyst, 1057C
PEG diluent(s), 3042P
PEIM, 319P
PEN, 1167P, 2625P
Pendant chloromethyl group, 4006C
Pendant double bond, 1179C
Pendant ethoxycarbonyl group, 936C
Pendant phenoxy group, 3604C
Pendant vinyl groups, 1366C
Penultimate model, 2319C
PEO, 874P
PEO cofactor interactions, 1276P
PEO/PMMA polymer blends, 1045P
PEO-segmented polyurethane, 1707P
Percolation, 3106P
Perfluorinated label, 3510C
Perfluoroalkylsulfonyl halides initiators, 3313C
Perfluorocarbons, 415P
Perfluorohydrosilane, 1179C
Permeability, 273P, 393P, 415P, 813P, 1474P, 1679P, 2525P, 2703P
Permeation, 1078P, 1461P, 2051P
Permittivity, 2154P
Permselectivity, 584P
Peroxide, 1417P
Peroxyderivatives, 2957C
Persistent spectral hole-burning, 3098P
Pervaporation, 614C, 895C, 1800P, 2954P
Perylene diimide, 3467C
PES pyrolysis, 583C
PET, 1291C, 2167C, 262P, 2625P
PET–PEO segmented copolymer, 3230P
Phase, 1101P
Phase behavior, 4128C, 707P, 1331P, 2033P, 2965P

Phase diagrams, 262P, 369P, 478P, 838P, 1893P
Phase fluctuation chromatography, 2405C
Phase separation, 95P, 590P, 1903P, 2625P
Phase separation, fluid surfaces, and fluid interfaces, 831P
Phase transition, 838P
Phase-modulated flow birefringence, 509P
Phase-transfer catalyst, 3059C, 3543C
Phase-transition behaviors, 2400P
Phenol formaldehyde, 3244C
Phenolformaldehyde, 916P
Phenolic complexes, 1276P
Phenolic novolac, 1687P
Phenolic resin, 641C
Phenolic resin/silica hybrid, 1699P
Phenoxathiin, 352C
Phenylethynyl, 3486C
Phenylethynyl-terminated, 2526C
Phenylsilane, 3476C
Phosphate, 972C, 2815C
Phosphoric ion exchanger, 3181P
Phosphorus, 2260C
Photoacid generator, 3043C
Photoamine generator, 329C
Photobase generator, 3043C
Photobleaching, 2232P
Photochemistry, 2167C
Photocopolymerization, 876C
Photocrosslinkable, 3722C
Photocrosslinking, 2392C
Photoinduced birefringence, 2245C, 205P
Photoinduced cationic polymerization, 1433C
Photoinduced electron transfer, 982C
Photoinitiated cationic polymerization, 389C, 3697C
Photoinitiated free-radical polymerization, 2365C
Photoinitiation, 3997C
Photoinitiator, 982C, 1785C, 2269C
Photoisomerization, 682P, 3098P
Photoluminescence, 1311C, 2032C, 2492C, 3086C, 3405C, 4119C
Photolytic products, 999C
Photo-oxidation, 2687P
Photopolymerization, 679C, 1247C, 1277C, 1433C, 2057C, 2121C, 3336C, 3997C, 4272C
Photoreduction mechanism, 999C
Photoresist material, 453C
Photoresponsible polymer, 1057C
Photoreversibility, 1466C
Photosensitive, 1283C
Photosensitive material, 2566C
Photosensitive polymer, 329C
Photosensitive polypeptide, 362P
Photosensitization mechanism, 90C
Photosensitized polymerization, 1433C
Photothermal spectroscopy, 1294P
Phthalamic acid, 3244C
Physical aging, 68P, 456P, 495P, 1474P, 2272P
Physical compatibilization, 525P
Physical crosslinking, 2247P
Physical properties of foams, 993P
π-conjugated polymers, 1493C, 2603C
Piezoresistance, 2739P
Pigment dispersing agents, 2855C
PIPD, 3053P
p-Isocyanatobenzyl isocyanate, 2106C
Plain water, 3399C
Plasma polymerization, 943C, 3498C, 2323P, 3247P
Plasma sensitivity of elements, 943C
Plasma treatment, 80C, 943C
Plasticity, 383P
Plasticization, 716P, 2525P
Plasticization effect, 846P
Plasticized PVC, 383P
Platinum catalyst, 724C, 741C, 2749C
p-Methoxystyrene, 2728C
p-methylstyrene, 1680C
PMMA, 1133P
PMMA/EA, 2147C
PNIPAM, 1188P
p-nitroaniline, 2269C
Poison ivy, 4327C
Polarity, 435P
Polarity parameters, 2546P
Polarization modulation, 1405P
Poling efficiency, 546C
Poly 1-(trimethylgermyl)-1-propyne], 2964C
Poly *N*-(2-hydroxypropyl)-methacrylate]s, 3369C
Poly(1,3-dioxepane), 1232C
Poly(1,4-cyclohexylenedimethylene terephthalate), 1828C
Poly(1,4-dioxan-2-one), 1560C
Poly(1,5-dioxepan-2-one), 786C
Poly(1,6-heptadiyne)s, 2663C
Poly(2,3-diaminophenol), 1698C
Poly(4,4′-diamino-3′-carbamoylbenzanilide isophthalamide), 775C
Poly(4,4′-diamino-3′-carbamoylbenzanilide terephthalamide), 775C
Poly(6,8-dioxabicyclo 3.2.1]-octane), 4081C
Poly-1-butene, 2611P
Poly(1-decene), 1687C
Poly(1-hexene), 1687C
Poly(1-octene), 1687C
Poly(1-pentene), 1687C
Poly(1-trimethylsilyl-1-propyne), 273P, 1078P, 1222P
Poly(2-ethyl-2-oxazoline), 2400P
Poly(2-hydroxyethyl methacrylate), 1161C
Poly(3-alkylthiophene), 84P
Poly(3-hydroxybutyrate), 2841P, 2891P
Poly(3-hydroxypropyl methacrylate), 1195C
Poly(3-methylthiophene), 1258P
Poly(4-hydroxystyrene sulfone), 2760C
Poly(4-vinylphenol), 453C
Polyacetal, 1848C, 3751C
Polyacetals, 1919C, 2293C
Polyacetylene, 1474P
Poly(acrylamide) derivatives, 3440C
Polyacrylamide gel, 922P
Polyacrylamides, 3128C, 3146C
Polyacrylate, 1214C
Polyacrylate containing long fluorocarbon chains, 2794C
Polyacrylic acid, 1323P
Poly(acrylic acid), 2791P
Polyacrylonitrile, 341P
Polyaddition, 68C, 988C, 1848C, 2254C, 2375C, 3604C, 4006C
Poly(alkyl methacrylate)s, 3098P
Poly-α-olefin, 2333C
Polyamide 6, 2124P
Polyamide 46, 41P
Polyamide 66, 516P
Poly(amide-imide-hydrazide), 1599C
Poly(amide-imide)s, 1C, 1154C, 2787C
Polyamides, 74C, 189C, 247C, 797C, 1533C, 2492C, 2687C, 41P, 1123P, 1707P
Poly(amidoamine) dendrimer, 1443C
Polyamineimides, 2645C
Polyamines, 921C, 1533C
Polyampholyte, 1824P
Polyaniline, 51C, 2359C, 4407C, 194P, 1294P, 2599P, 3247P
Poly(aryl ether imide), 3467C
Poly(aryl ether ketone), 1318C
Poly(aryl ether ketone ether ketone ketone) (PEKEKK), 1992P
Polyarylate, 299C, 127P
Poly(arylene ether), 1318C
Poly(arylene ether phosphine oxide), 3736C

Poly(arylene ethynylene)s, 2603C
Poly(arylether benzoxazole)s, 1172C
Poly(azomethine), 1064C
Polybenzoxazine, 4165C, 2687P, 3289P
Poly(benzoxazinone-imide), 1647C
Polybenzoxazole, 2537P
Poly(benzyl methacrylate), 562P
Poly(β-hydroxybutyrate)/poly(methyl acrylate), 1860P
Poly(biphenylene vinylene), 1493C
Polybromal, 2623C
Polybutadiene, 2767C, 1841P
Polybutene-1, 1872P
Poly(butylene succinate), 1504P, 2240P
Poly(butylene terephthalate), 262P, 803P, 838P
Polycarbodiimide, 329C
Polycarbonates, 51C, 560C, 1852C, 2340C, 2352C, 495P, 1589P, 2072P
Polychloral, 2623C
Polychloroprene, 3543C
Poly(*cis*-butadiene), 1833P
Polycondensation, 123C, 299C, 329C, 402C, 504C, 1057C, 1064C, 1630C, 1662C, 1873C, 2702C, 3059C, 3399C, 4119C, 4194C
Poly(cyanurate), 4006C
Poly(cyclohexadiene), 3004C
Polycyclotrimerization, 726P
Poly(D-glucaramides), 3892C
Polydiacetylenes, 1656P
Poly(dimethyl siloxane), 415P, 1123P, 2678P
Polydimethylsiloxane, 1461P
Poly(diphenyl acetylene), 1474P
Polydisperse, 2390P
Polydispersity, 632P, 2591P
Polydispersity of linear polymers, 1539P
Polydithiane, 4403C
Polyelectrolyte, 1323P
Polyelectrolyte complexes, 2566C
Polyepoxysiloxane, 138P, 1449P
Poly(ε-caprolactam-*co*-ε-caprolactone), 1379C
Poly(ϵ-caprolactone), 2072P, 1848P
Polyester, 1073C, 2167C, 2536C, 4451C
Poly(ester-amide)s, 2687C, 2221P, 2469P,
Polyester blend, 590P
Polyestercarbonate, 803P
Poly(ester-imide)s, 1090C, 1630C, 3019C, 319P, 611P
Polyesters, 870C, 1903C, 2381C, 2492C, 495P
Poly(ester-urethane), 2449C
Poly(ETFU-*co*-AA), 4272C
Poly(ETFU-*co*-VAc), 4272C
Polyethene, 376C
Poly(ether), 179C, 988C, 1311C, 1533C, 3604C, 4006C
Polyether complexes, 1276P
Polyether ether ketone (PEEK), 1386P
Poly(ether imide), 758C, 1386P
Poly(ether sulfone), 9C
Poly(ether-anhydride), 1277C
Poly(etherimide), 402C
Polyethers, 198C, 1919C, 2381C, 2492C, 2635C
Polyether-segmented nylon, 1045C
Poly(ethyl methacrylate), 369P
Polyethylene, 999C, 1210C, 1408C, 1417C, 1427C, 1656C, 2440C, 2957C, 2979C, 3106C, 3378C, 3383C, 3944C, 4095C, 4258C, 80P, 154P, 182P, 1267P, 2564P, 2810P, 3120P
Poly(ethylene 2,6-naphthalate), 3285P
Poly(ethylene adipate), 1504P
Polyethylene blends, 2309P
Polyethylene copolymer, 1337C
Poly(ethylene glycol), 152C, 1466C, 1811C, 3200C, 4081C, 1331P
Polyethylene glycol dimethacrylate, 4396C
Poly(ethylene imine), 552P
Polyethylene melts, 2634P
Poly(ethylene oxide), 562P, 1123P, 1250P, 1369P, 1377P, 1707P, 1800P, 2323P
Polyethylene (PE), 3092C, 2480P
Poly(ethylene terephthalate) (PET), 416C, 1934C, 2013C, 3510C, 3761C, 4478C, 53P, 262P, 599P, 1612P, 1679P, 3151P
Poly(ethylene terephthalate-*co*-isophthalate)s, 1934C, 2515P
Poly(ethylene terephthalate-*co*-nitroisophthalate)s, 1934C
Poly(ethylene terephthalate-*co*-nitroterephthalate)s, 3761C
Poly(ethylene-2,6-naphthalate), 1424P
Poly(ethylene-2,6-naphthalate) fiber, 61P
Poly(ethylene-*co*-glycidyl methacrylate), 2440C
Poly(ethylene-*co*-vinylacetate), 1998P
Poly(ethylhexyl methacrylate), 855C
Polyferrocene, 3032P
Polyfurane, 291C
Poly(γ-benzyl-L-glutamate), 509P, 1331P
Poly(glycidyl methacrylate), 3855C
Poly(hexamethylene terephthalate), 262P
Poly(hydroxybutyrate), 1575P
Poly(hydroxyether of bisphenol A), 1250P
Polyhydroxypolyamides, 594C, 604C
Polyhydroxypolyaminopolyamides, 3892C
Polyhydroxyurethane, 2375C
Polyimide film, 3222P
Poly(imide-hydrazide), 1599C
Polyimides, 108C, 189C, 498C, 895C, 1528C, 1551C, 1943C, 2032C, 2082C, 2526C, 2645C, 2893C, 3486C, 3954C, 3991C, 4247C, 1123P, 1634P, 1707P, 1800P, 2254P, 2268P, 2525P, 2537P, 2714P, 2873P, 2954P, 3018P, 3062P
Poly(iminoarylene)s, 4194C
Polyisobutylene, 3200C
Poly(isobutylene-*b*-indene) stars, 279C
Poly(isobutylene-*b*-methyl methacrylate), 706C
Poly(lactic acid), 2392C, 2925C
Poly(L-lactic acid), 1673C
Poly(L-lactide), 786C, 2405C
Polymer, 3405C, 716P, 776P, 792P, 1547P, 2429P
Polymer adsorption, 2284C
Polymer blending, 2177C
Polymer blends, 4013C, 34P, 369P, 874P, 1301P, 1359P, 1848P, 1926P, 2072P, 2096P, 2378P, 2390P, 2801P, 3106P
Polymer brush, 3742C
Polymer coating, 10P
Polymer composite, 4343C
Polymer cylinders, 1939P
Polymer degradation, 3690C
Polymer dynamics, 222P, 2785P
Polymer electrolyte membranes, 3277P
Polymer electrolytes, 2900C, 341P, 1530P
Polymer functionalization, 269C
Polymer in good solvent, 1053P
Polymer melts, 831P, 2480P
Polymer miscibility, 3270C
Polymer modification, 486P
Polymer modification reactions, 453C
Polymer network, 2392C
Polymer particles, 1146C, 1812P
Polymer reaction, 28C, 3440C, 3729C
Polymer relaxation, 2929P
Polymer solutions, 632P, 1917P, 2043P, 3271P
Polymer stabilization, 2293C

Polymer support, 2979C
Polymer-dispersed liquid crystal, 2033P
Polymer-filler interaction, 1240P
Polymer–polymer interaction parameter, 2072P
Polymeric activators, 4154C
Polymeric gel, 739P
Polymeric microsphere, 689C
Polymerizability, 4088C
Polymerizable crown-ether amphiphiles, 631C
Polymerization, 152C, 571C, 1057C, 1505C, 1803C, 3783C, 1005P
Polymerization kinetics, 3521C
Polymerization mechanism, 462C
Polymerization rate, 1803C
Polymerized organogels, 631C
Polymer/liquid crystal membrane, 1833P
Polymers, 1911C, 2555C, 2767C
Polymer-supported platinum catalyst, 35C
Poly(*meta*-divinylbenzene), 1366C
Poly(methacrylate)s, 2678C, 4013C, 205P
Poly(methyl acrylate-*co*-itaconic anhydride), 321C
Polymethyl methacrylate, 3347C
Poly(methyl methacrylate) (PMMA), 1184C, 1972C, 2767C, 2855C, 4095C, 525P, 682P, 747P, 2929P
Poly(methylene-1,3-cyclopentane), 1520C
Polymethylmethacrylate, 1110C, 942P
Poly(methyl-methacrylate), 1656C
Poly(MIEFU-*co*-AA), 1247C
Poly(MIEFU-*co*-VAc), 1247C
Polymorphism, 573P
Poly(*N*-acryloyl-*N'*-methylpiperazine), 501P
Poly(*n*-butyl methacrylate), 855C
Poly(*N*-isopropylacrylamide), 907P
Poly(*N*-isopropylacrylamide) hydrogel, 3462C
Poly(*N*-isopropylmethacrylamide) latex particles, 889P
Polynorbornene, 2554P
Polynucleotide analogue, 423C
Poly(*N*-vinyl 2-pyrrolidone/acylic acid), 3309P
Poly(*N*-vinyl 2-pyrrolidone-*g*-citric acid), 2063P
Poly(o-anisidine), 4343C
Polyolefin foams, 993P
Polyolefins, 1408C, 3383C, 3596C, 3966C, 4013C, 2247P, 2480P, 2965P
Polyols, 3900C, 4062C
Polyoxadiazole, 1599C
Poly(oxyethylene), 2405C
Polyoxyethylene, 4403C
Poly(*para*-divinylbenzene), 1366C
Poly(*p*-dioxanone), 2436P
Polypeptide, 3011C
Polypeptide assembly, 2186C
Polyphenylacetylene, 2663C
Poly(phenylene oxide), 1013P
Poly(phenylene sulfide), 599P
Poly(phenylenevinylene), 1057C
Polyphenylenevinylene, 4119C
Poly(phenylsilsesquioxane), 1580C
Polyphosphate, 2815C
Polyphosphoric acid, 1064C
Poly(*p*-phenylene succinate) (PPSc), 1868P
Poly(*p*-phenylene terephthalamide) (PPTA) anion, 1369P, 1377P
Poly(*p*-phenylenebenzobisoxazole) (PBO), 1584P, 1605P
Poly(*p*-phenylenebenzobis-thiazole), 376P
Poly(*p*-phenylene-vinylene-thiophene-*co*-siloxane), 1450C
Polypropylene, 1656C, 2979C, 3383C, 80P, 101P, 1773P, 2487P, 2580P, 3151P
Polypropylene copolymer, 1337C
Poly(propyleneimine), 857P, 874P
Polypyridine, 1348P
Poly(pyromellitic-4,4-diphenylsulphone), 2507P
Polypyrrole, 51C, 2734C, 1193P, 3247P
Polysaccharide, 1352P, 2644P
Polysilane, 698P
Polysiloxane copolymers, 826C, 837C
Polysiloxanes, 1609C, 1844C, 3722C
Poly(siloxysilane), 2970C
Polysilsesquioxane, 138P, 1449P
Poly(silyl ether), 2254C
Polysilylene copolymers, 2306C
Poly(stearyl methacrylate-*co*-methacrylic acid), 823P
Polystyrene, 299C, 453C, 1656C, 2091C, 2767C, 3052C, 3412C, 4289C, 68P, 127P, 954P, 1013P, 1965P, 2666P, 3168P
Polystyrene sulfonic acid, 1530P
Poly(styrene-*co*-butyl acrylate), 369P
Poly(styrene-*co*-maleic anhydride), 1222C
Poly(styrene-*co*-methacrylonitrile), 3569C
Poly(styrene-*co*-*N*-substituted maleimide), 3550C
Poly(succinimide), 117C
Polysulfide, 3399C
Poly(sulfone ether amide)s, 1487C
Poly(sulfone ether imide)s, 1487C
Poly(tartaramide)s, 2687C
Poly(tetrafluoroethylene), 80C, 80P
Polytetrahydrofuran, 3812C
Polythioester, 4057C
Poly(thio-ester)s, 3656C
Polythiophene, 1642C
Poly(trimethylene terephthalate), 622P, 934P
Polyureas, 715C
Polyurethane acrylate prepolymers, 2750P
Polyurethane prepolymer, 4165C
Poly(urethane-benzoxazine) films, 4165C
Poly(urethane-imide), 2645C, 4032C
Polyurethanes, 136C, 2106C, 3278C, 3284C, 4062C, 544P, 2213P, 2652P, 2861P, 3009P
Poly(uridylic acid) analogue, 423C
Poly(vinyl acetate), 2767C
Polyvinyl acetate, 2429P
Poly(vinyl alcohol), 220C, 3828C, 214P
Poly(vinyl alcohol) films, 1P
Poly(vinyl chloride), 234P
Poly(vinyl halides), 4013C
Poly(vinyl methyl ketone), 1155P
Poly(vinylamine), 552P, 1931P
Poole–Frenkel effect, 2507P
Pore size, 3270C
Positron, 435P
Positron annihilation, 3462C, 101P, 922P, 3062P
Positron annihilation lifetime, 1123P
Positron annihilation lifetime spectroscopy, 776P, 792P, 1222P
Positron lifetime, 341P
Positronium, 922P
Post-exposure delay, 148P
Potentiometric titration, 3181P
PP, 1090P
PP/Mica composites, 1564P
Precipitation, 2400P
Precipitation/redissolution, 2767C
Precursor polymer, 2537P
Presensitized plates, 2566C
Pressure, 262P
Pressure-sensitive adhesive, 965P, 1201P
Prevulcanization, 2189P
Primary amine functionality, 3674C
Primary hydroxyl head group, 444C
Primary radical termination, 1834C

Probe dye, 2546P
Probe reorientation, 68P, 2232P
Probe tack, 965P
Processing, 194P
Propagating fronts, 3984C
Propagating polymerization fronts, 1129C
Propagation constant, 2192C
Propane, 2525P
Propargyl moieties, 35C
Propene polymerization, 411C
Properties, 3900C
Propylene, 1590C, 4110C, 4299C, 2525P
Propylene polymerization, 3355C
Protein adsorption, 2323P
Proton acid, 1673C
Proton conductivity, 1386P, 1530P
Protonated structure, 2599P
Pseudohydroxyproline, 2449C
PSF pyrolysis, 583C
PS-PPO blends, 1405P
PTFE, 3498C
PUI, 614C
Pulsed laser polymerization, 697C, 2192C
Pulsed-field-gradient NMR, 1312P
PVC, 3201P
PVC blends, 469P
PVDF, 1512C, 1734P
Py-GC, 3569C
Pyrene, 3378C
Pyrene excimers, 3378C
Pyrene monomer fluorescence, 3378C
Pyridinium, 2492C
2-pyridylamine-containing copolymer, 4407C
Pyrimidine, 198C
Pyrolysis gas chromatography-mass spectrometry, 730C
Pyrolysis–gas chromatography, 1880C
Pyrylium, 2381C

QCM resonator system, 1302C
Q-e value, 220C
Quantum calculations, 571C
Quantum-mechanical calculation, 1355C
Quasi-reversible, 3828C
Quaternary onium salt, 2254C, 3604C, 4006C
Quaternization, 4373C
Quaternization studies, 4506C
Quenching, 1785C
Quinazolone and benzoxazinone units, 775C
Quinoline, 3399C

Racemate cleavage, 2004C
Racemization, 1673C
Radiation, 1729P
Radiation grafting, 1512C, 1734P
Radical, 220C
Radical controlled polymerization, 3293C
Radical copolymerization, 846C, 2156C, 2872C, 3729C
Radical cyclopolymerization, 2098C
Radical mechanisms, 3235C
Radical polymerization, 469C, 509C, 1024C, 1139C, 1753C, 1861C, 1911C, 2487C, 2572C, 3100C, 3434C, 3883C, 4070C, 4137C, 4264C, 4315C, 4336C
Radical ring-opening polymerization, 3729C
Radical-cationic initiation, 1568C
Radiothermoluminescence, 3378C
Radius of gyration, 1053P, 2009P
RAFT, 3596C, 3864C, 4206C
Raman spectra, 1013P
Random, 560C
Random amide imide copolymer, 1951C
Random association, 1312P
Random chain scission, 3690C
Random copolymers, 1301P
Random sequential addition, 2366P
Rapid determination, 2767C
Rate constant of propagation, 509C
Rate constants of elementary reactions, 4137C
Rate constants of propagation and termination, 4264C
Reaction kinetics, 1257C
Reaction–diffusion process, 3201P
Reactive compatibilization, 3682C
Reactive extrusion, 2468P, 2801P
Reactive modifiers, 1883P, 1893P
Reactive plasmas, 3028C
Reactive polymer, 2177C
Reactive processing, 1222C, 1795C, 3919C
Reactivity, 220C
Reactivity ratios, 846C, 1118C, 1139C, 1981C, 2910C, 3100C
Recognition structure, 2186C
Recombinant *E. coli*, 667C
Recrystallization, 262P, 1868P, 1975P, 3001P
Recycling, 2879C
Redox, 3235C
Refractive indices, 2824C, 1764P
Regenerated polymerization, 1064C
Relaxation, 1972C, 101P, 1405P, 1417P
Relaxation mechanisms, 2179P
Relaxation of oriented dipoles, 88P
Relaxation processes, 573P
Relaxation spectrum, 1539P
Relaxation time, 495P
Reorganization, 3210P
Reptation model, 248P
Residual lithium chloride, 1951C
Residual stress, 2879P
Residual vinyl acetate groups, 573P
Resins, 329P
Retarder, 804C
Reverse atom transfer radical polymerization, 101C
Reversible melting, 622P
Reworkable resins, 3771C
Rheological properties, 376C, 2114P, 2750P
Rheology, 2340C, 3919C, 857P, 874P, 1539P, 2019P, 3168P
Rheology of fiber suspensions, 1788P
Rh(I) complexes, 4466C
Rh(nbd) $B(C_6H_5)_4$], 3419C
Rhodium, 1505C
Rietveld refinement, 1617P
Rigid dendrimer, 4385C
Rigid plates, 2366P
Rigid polymer, 509P
Rigid rod, 1647C
Rigidity, 2536C
Rigid-rod polymers, 3053P
Ring closure, 237C
Ring opening metathesis polymerization, 1639C
Ring-opening polycondensation, 3656C
Ring-opening polymerization, 870C, 1355C, 1560C, 1774C, 1828C, 2004C, 2861C
Rod–coil block copolymer, 1716P
Role of dopant anions, 4343C
Rotating, 1764P
Rouse model, 1146P, 1917P, 3271P
Rubber elasticity, 2449P
Rubber-cellulose, 393P
RuO_4 staining, 2564P
Ruthenium catalysis, 482C

S-2238, 3369C
Salt monomer method, 1391C
Salts of dicyclopentadiene dicarboxylic acid, 1662C
SAN/EPDM blends, 3682C
SANS, 95P, 857P, 874P
Saturated magnetization, 2734C
Scaling, 1053P
Scaling exponents, 1053P
Scaling law, 1301P
Scaling relations, 2077P
Scanning electron microscopy (SEM), 2409P
Schiff bases, 4466C
Schottky effect, 2507P
SDS, 1188P

Second stage polycondensation, 1064C
Secondary nucleation, 528C, 3612C
Secondary relaxation, 1687P
Second-harmonic generation, 546C
Seeded, 3864C
Segment number, 443P
Segmental dynamics, 68P
Segmental relaxation, 1841P
Segmented polyethylene oxides, 2635C
Segmented poly(urethaneurea)s, 1716P
Selective deprotection, 546C
Selective photocrosslinking, 1903C
Selectivity, 1951C
Self diffusion, 3277P
Self-avoiding random walk, 1053P
Self-heating, 1756P
Self-organization, 207C, 3369C
Self-polyaddition, 3751C
SEM, 1045C
Semibatch, 528C
Semibatch emulsion copolymerization, 3253C
Semibatch emulsion polymerization, 3612C
Semicrystalline polymers, 2457P
Semicrystalline—glassy block copolymers, 2564P
Semicrystalline/semicrystalline blends, 108P
Semiempirical calculations, 571C
Semiflexible polymers, 2381C
Semiflexible thermotropic copolyesteramide, 403P
Semifluorinated side chain polyester, 1617P
Semi-interpenetrating networks, 2041C
Semi-interpenetrating polymer networks, 3070P
Separation, 2284C, 2767C, 1749P
Sequence distribution, 1118C
Sequence length distribution, 2750P
Sequential interpenetrating polymer network, 1005P
Shape memory, 2652P, 3009P
Shape memory effect, 1496P, 2285P
Shear rate effect, 765P
Shear-thinning resist, 148P
Shell, 345C
Shell crosslinked knedel-like nanoparticles, 1397C
SHG, 2923P
Shirasu porous glass, 4038C
Shish crystal, 1183P
Short fiber composites, 1788P
Short-chain branching, 3120P
Shrinking, 1553P
^{29}Si NMR, 826C
Side chain, 1331P
Side groups, 2623C
Side reaction, 4362C
Side-chain crystalline, 823P
Side-chain liquid-crystalline polymer, 988C
Silane coupling agents, 2351P
Silane crosslinking, 2468P
Silane grafting, 2468P
Silane-treated, 916P
Silica, 1240P, 1972C
Silicon oxide, 1443C
Silicone resin, 804C
Silk, 352C, 1436P
Silolene bridge, 2232C
Siloxane, 764C
Siloxane polymer, 724C
Silyl enol ether, 179C
Silyl-protecting groups, 2415C
SIMS, 1045C
Simulation, 1118C
Simultaneous interpenetrating polymer networks, 2861P
Size exclusion chromatography, 2284C, 2767C, 2711C, 214P, 2009P, 3120P
Size exclusive chromatography, 2644P
Slow calorimetry, 1662P
Small molecule, 1341P
Small-angle neutron scattering (SANS), 1926P, 2965P
Small-angle X-ray scattering (SAXS), 1307P, 1605P, 1716P, 2457P
Smectic phases, 1630C, 3019C
Sodium carbonate, 152C
Sodium polyaspartate, 117C
Softness, 435P
Sol gel, 321C, 1695P
Sol-gel transition, 1729P
Solid *n*-alkanes, 43C
Solid-state NMR, 3486C, 1417P, 2554P, 2823P
Solid-state nuclear magnetic resonance spectroscopy, 1285P
Solubility, 43C, 797C, 1014C, 2964C, 3911C, 273P, 415P, 1474P, 2525P
Solubility and diffusivity, 171P
Solubility coefficient, 2268P
Solubility parameter, 3855C, 1883P
Solubility, segregation, and mixing, 831P
Soluble, 74C, 2787C
Soluble polyimides, 2840C
Solution and melt polyaddition, 1767C
Solution polycondensation, 4451C
Solution polymerization, 1774C
Solution properties, 3128C, 3146C, 3032P
Solution thermodynamics, 2366P
Solution viscosity, 4282C
Solution-grown crystals, 3302P
Solutions, 2019P
Solvatochromism, 1311C, 2546P
Solvent, 220C, 2879P
Solvent absorption, 4038C
Solvent diffusion, 1965P, 2429P
Solvent effects, 60C, 469C, 509C, 846C, 1024C, 4137C
Solvent gradient, 2767C
Solvent resistance, 715C
Solvent sorption, 1090P
Solvent uptake, 3277P
Solvent-free, 1179C
Sonification, 4431C
Sorption, 1078P, 1461P, 1800P, 2254P, 2954P
Soybean oil, 3900C, 4062C, 2721P
Spacer arm, 269C
Spatially heterogeneous dynamics, 68P, 2232P
Specific interaction, 4128C
Spectrophotometry, 1824P
Spherical shape, 4457C
Spherulites, 562P, 1575P, 1947P
Spherulitic growth rate, 934P
Spin coating, 2032C
Spin–lattice relaxation time (T_1), 2634P
Spin-drawing process, 2841P
Spin-lattice relaxation time in the rotating frame ($T_{1\rho}$), 1285P
Spinodal decomposition, 2041C
Spiro orthoester, 68C
Spironaphthoxazine, 887C
SPS/APS blend, 3001P
Stabilizer, 1146C, 4419C, 4431C, 4441C
Stable metal complexes, 516C
Stacking, 84P
Standard solid, 10P
Stannic chloride, 1568C
Star block polymers, 706C
Star copolymer, 1203C
Star polymer, 248P
Star-block copolymers, 279C, 2970C
Star-branched *cis*-polyisoprene, 1024P
Star-branched polyisobutylene, 444C
Static and dynamic light scattering, 1312P
Statistical distribution of polymers, 3690C
Statistical effect of molecular weight, 3690C
Statistical effect of volatility, 3690C
Steady shear flow, 222P

Stealth carriers, 3347C
Stepwise Py-GC/MS, 583C
Stereochemistry, 1024C, 3451C
Stereoregular polymerization in water, 1083C
Stereoregularity, 2415C, 3419C, 4088C
Stereosequences, 826C
Stereospecific, 1590C
Stereospecific polymerization, 2293C, 3004C
Stille coupling, 2603C
Stimuli-responsive polymer, 3962C
Storage stability, 786C
Strain, 1662P
Strain rate, 1137P
Strength, 3189P
Stress, 1634P, 2937P
Stress concentration, 383P
Stress overshoot, 1917P, 2043P, 3271P
Stress relaxation, 3239P
Stress-induced transformation, 1133P
Stress-optical rule, 954P
Stress-strain curve, 838P
Stress-strain measurements, 2449P
Strong cationic hydrogels, 1006C
Structural changes, 214P, 1424P
Structural characterization, 1580C
Structural disorder, 376P
Structural relaxation, 68P, 3098P
Structure, 2480P, 2989P
Structure–property relationships, 988C, 2106C
Styrene, 101C, 127C, 170C, 337C, 436C, 697C, 752C, 846C, 914C, 1146C, 1179C, 1203C, 1477C, 1512C, 2201C, 2219C, 2239C, 2274C, 2440C, 2652C, 3188C, 3596C, 3729C, 4308C, 3136P
Styrene and acrylonitrile random copolymers (SAN), 127P
Styrene butadiene rubber, 2189P
Styrene-butadiene copolymers, 2449P
Styrene/butyl acrylate/benzene copolymerization, 60C
Styrene–methyl methacrylate copolymer, 1880C
Styrene-*N*-methylmaleimide copolymers, 3558C
Styrene-terminated macromonomer, 1241C
Substituent effect, 1866C
Substituted acetylene, 2697C
Substituted epoxides, 444C
Substrate-induced rearrangement, 2186C
Subsurface, 101P
Successive self-nucleation/annealing (SSA), 3161C
Sulfadiazine, 2548C
Sulfonated polyaniline, 3390C
Sulfonation, 1386P
Sulfonatotelechelics, 3711C
Sulfone ether diamine, 1487C
Sulfonic acid, 2728C
Sulfonium salt, 18C
Sulfonyl chloride, 3839C, 4353C
Sulfonyl isocyanate, 3440C
Sulfur quinones, 3278C
Supercooling, 2810P
Supercritical CO_2, 1139C, 1146C, 3100C
Supercritical fluids, 3783C, 2832P, 3168P
Supermolecular structure, 2851P
Superposition methods, 469P
Supported catalyst, 127C, 2879C
Supramolecular PEO cylinders, 2041C
Supramolecular polymers, 207C
Supramolecular solid cylinder aggregates, 631C
Surface, 3944C
Surface characterization, 2323P
Surface configuration change, 3028C
Surface diffusion, 1146P
Surface effect, 2599P
Surface energy, 1155P, 138P
Surface free energy, 1449P, 2515P
Surface immobilization, 2323P
Surface modification, 2779C, 3742C
Surface molecular imprinting, 689C
Surface molecular mobility, 654P
Surface oligomers, 3028C
Surface plasmon resonance, 2186C
Surface reactivity assay, 3510C
Surface structure, 1045C
Surface tension, 1045C, 1323C, 138P, 1449P
Surface texture and morphology, 3665C
Surface transition temperature, 654P
Surface wet chemistry, 3510C
Surface-enhanced Raman scattering (SERS), 2599P
Surface-grafting inscription, 2245C
Surfactant, 2019P, 2351P
Suspension polymerization, 345C
Sustainable growth, 667C
Suzuki reaction, 3086C
Swelling, 2804C, 739P, 1553P, 1595P, 2063P, 3309P
Swelling and polymerization, 3270C
Swelling degree, 4038C
Swelling measurements, 2449P
Synchrotron radiation, 3019C
Synchrotron SAXS, 1975P
Synchrotron X-ray scattering, 2851P
Syndiospecific polymerization, 127C
Syndiotactic 1,2-polybutadiene, 1083C
Syndiotactic polypropylene, 1947P
Syndiotactic polystyrene (SPS), 2428C, 3476C, 3001P, 3210P
Synergism, 1687P
Synergistic modification of T_g, 552P
Synthesis, 560C, 895C, 1433C, 2245C, 2505C, 2925C, 3128C, 3146C, 3944C, 4282C
Synthesis of D,L-3-methylglycolide, 4179C
Synthesis of the alternating copolymer poly(D,L-lactic acid-*co*-glycolic acid) (D,L-PLGA50), 4179C

Tack, 1201P, 1485P, 2769P
Tacticity, 1024C, 2487C
Tailor-made urethane acrylate anionomer, 1903P
Tautomerism, 198C
t-butyl acrylate, 2274C
t-Butylcarbodiimidoethyl methacrylate, 855C
Telechelic diol, 3293C
Telechelic methacrylate polymers, 3711C
Telechelic polymers, 299C, 1753C
Telechelic urethane acrylate, 2081P
Telechelicpolymer, 127P
Telechelics, 482C, 1911C, 2449C, 3550C
Telomerization, 3235C
Temperature, 43C
Temperature dependence, 2333C
Temperature jumps, 68P
Temperature sensitivity, 823P
Temperature-modulated differential scanning calorimetry (TMDSC), 622P, 2272P, 2810P
Template, 352C
Template-free method, 2359C
TEMPO, 2239C, 3293C, 3434C
Tensile mechanical, 2873P
Tensile modulus, 1647C
Tensile properties, 715C, 797C, 4247C
Tensile test, 1101P
Tensile yield, 1037P

Terephthaloyl chloride, 4451C
Terminal model, 2319C
Terpolymer, 161C, 2900C, 1307P
Terpolymerization, 752C, 2652C
tert-Chloride end-group, 444C
Tetraallyl piperazinium dibromide, 1006C
Tetraaminoethylene, 4200C
Tetradecene, 4110C
Tetraethoxysilane, 321C
Tetrahydrofuran, 337C
Tetrahydro 5]helicene, 758C, 3991C
2,2,6,6-Tetramethylpiperidinyloxy (TEMPO), 1033C
1,1,2,2-Tetraphenyl-1,2-bis(trimethylsilyloxy) ethane, 2872C
Texture defect, 980P
Thermal analysis, 262P, 486P, 2976P
Thermal and mechanical properties, 775C
Thermal and tensile properties, 1767C, 3977C
Thermal conductivity, 993P, 1294P
Thermal decomposition, 730C
Thermal degradation, 4013C
Thermal degradation behavior, 3569C
Thermal degradation mechanism, 2794C
Thermal diffusivity coefficient, 1294P
Thermal dissociation temperature, 3428C
Thermal effect, 887C
Thermal expansion, 537P, 2929P
Thermal isomerization, 3434C
Thermal latency, 3428C
Thermal latent catalyst, 2114P
Thermal latent initiator, 18C
Thermal property, 797C, 936C, 1774C, 3911C, 1369P, 3289P
Thermal radiation, 993P
Thermal rearrangement, 2537P
Thermal shrinkage, 3222P
Thermal stability, 1C, 583C, 1528C, 1580C, 1647C, 2652C, 4032C, 4165C
Thermal windowing TSDC, 88P
Thermal-latent catalyst, 804C
Thermally degradable resins, 3771C
Thermally induced phase separation, 3042P
Thermally reversible bonded linear polymer, 1662C
Thermally reversible crosslinking, 4373C
Thermally reversible crosslinking behavior, 818C
Thermally stable, 1487C
Thermally stimulated currents, 362P, 987P, 2105P
Thermodilatometric studies, 1553P
Thermodynamic function, 1584P
Thermodynamics, 2137C, 1893P
Thermogravimetry analysis, 4407C
Thermogravimetry (TG/FTIR), 2794C
Thermomechanical analysis (TMA), 3222P
Thermomechanical properties, 2989P
Thermoplastic elastomers, 279C, 706C, 2023C, 3977C, 1716P
Thermoplastic nonsegmented thiopolyurethanes, 1767C
Thermoprecipitation, 4218C
Thermoresponsive gel, 474C
Thermorheological complexity, 469P
Thermosensitive, 2671C, 4524C
Thermosensitive physical gelation, 3962C
Thermosensitivity, 3674C
Thermoset resins, 2232P
Thermosets, 122P, 2272P
Thermosetting polymers, 726P, 2721P
Thermostable polymers, 1172C
Thermotropic, 2469C
Thermotropic liquid crystalline polymer, 1257C
Thianthrene-5,5,10,10-tetraoxide, 895C
Thin films, 2177C, 965P, 2929P
Thin polymer films, 10P
Thin-film polymerization, 1257C, 2221P
4,4′-Thiodiphenol, 1848P, 2891P
Thiopoly(ester-urethane)s, 3977C
Thiuram disulfide, 2121C
Three-component initiator system, 2057C, 3336C
Three-component polycondensation, 179C
Three-dimensional composite model, 755P
3-D simulation of dielectric constants, 88P
Three-element solid model, 10P
Tie molecules, 1267P
Time dependence, 2739P
Time-temperature superposition, 1240
Tin tetrabromide, 781C
Titanium, 3966C
Titanium catalyst, 2879C
Titanium dioxide, 4419C, 4431C, 4441C
Titanocene catalysts, 4258C
TOCSY, 1889C
Toluene, 2429P
Topology, 776P
Torsional modulus, 3053P
Toughening, 2801P
Toughness, 3558C
Track-etched membrane, 3510C
trans-2-(4-Hydroxyphenyl)-ethenesulfinic acid, 2760C
Transcrystallization, 80P
Transesterification, 2879C
Transetherification, 2635C
Transient plane source technique, 916P
Transimidization, 9C, 2993C, 3991C
Transition, 2422P, 3239P
Transition metal catalyst, 2964C
Transition metal coordination, 552P
Transition-metal complex preparation, 2428C
Transmission electron microscopy (TEM), 2409P, 2564P
Transport, 776P, 792P, 2136P
Transreaction, 4478C
Traveling waves, 1129C
Triazene chromophore, 1903C
Triazine diaryl ether, 3604C
Triazine dichloride, 4006C
1,3,5-triazine ring, 4385C
Triblock copolymers, 337C, 1774C, 3742C, 4081C, 1312P, 2170P
Tricaprylylmethylammonium chloride, 3543C
Tricontinuous structure, 1645P
Triflate-substituted catalyst, 2067C
2-(trifluoromethyl)benzal chloride, 1873C
Trifunctional iniferter, 2115C
Triisobutylphosphine sulphide, 269C
Triisocyanate, 544P
Trimellitic anhydride, 1630C
Trimer, 1866C
1-(trimethylgermyl)-1-propyne, 2964C
Trimethylolpropane triglycidylether (TMP), 2114P
2-(trimethylsiloxy)ethyl methacrylate, 1457C
Trimethylsilyl ketene acetal, 2855C
Trimethylsilylpolyphosphate, 1172C
Tri-O-allylcellulose, 1889C
Tri-O-crotylcellulose, 1889C
Triphenyl phosphite, 247C
Triphenyl phosphite activation, 402C
Triphenylamine polymer, 4119C
Triphenylamine-pendant polypeptide, 362P
Triphenylethane, 247C

Triplet, 1785C
Tripropylamine, 3399C
Tris(8-hydroxyquinoline)-aluminum (AlQ_3) complexes, 2887C
Tris(8-quinolinolato)aluminum complex, 2032C
Trityl perchlorate, 179C
Trivalent titanium complex, 3355C
Tube dilation, 1024P
Tube model, 1917P, 3271P
Tunneling current, 2739P
Two-dimensional NMR spectrometry, 1680C
2D time domain, 2487P
2D-NMR, 1889C
Type of block copolymer, 299C

Ultraviolet, 2687P
Ultraviolet–visible (UV–vis), 1589P
Underfill, 3771C
Uniform terminology, 1706C
Universal calibration, 3120P
Unperturbed dimensions, 2678P
Unrestricted Hartree–Fock model, 1656P
Unsaturated group, 2240P
Urethanes, 2555C, 2925C
Urushiol, 4327C
UV, 2392C
UV absorption, 679C, 1323C
UV irradiation, 1466C, 3043C
UV-absorbing film, 775C

Vacuum deposition, 2032C
Vapor permeation, 171P
Vapor pressure, 443P
Variable frequency microwave furnace, 1379C
Vibrational spectroscopy, 1512P
Vibrational spectrum, 319P
Vinyl acetate, 220C, 914C, 2572C
Vinyl alcohol, 1344C
Vinyl alcohol–ethylene copolymers, 573P
Vinyl ester, 220C, 2409P
Vinyl ester resin, 136C, 3136P
Vinyl ether oligomer, 3578C
Vinyl ethers, 152C, 781C, 4023C, 4362C
Vinyl polymerization, 1861C
Vinyl polyperoxides, 3665C
1-Vinyl-2-pyrrolidone, 653C
Vinylidene fluoride polymers, 2832P
Vinylidene fluoride-trifluorethylene copolymers, 34P
Vinyloxirane, 3729C
3-Vinylpyridine, 3067C
Viscoelastic, 3239P
Viscoelastic analysis, 10P
Viscoelastic contact, 1485P
Viscoelastic properties, 61P, 899P, 1341P, 1496P, 2943P
Viscoelastic relaxation, 1024P
Viscometry, 857P, 874P, 2644P
Viscose rayon, 2815C
Viscosity, 1069P, 1188P, 1348P, 1729P
Viscosity shielding ratio, 3120P
Viscous drag, 222P
Visible-light initiator, 2057C, 3336C
Vitrification, 544P
Vogel–Tammann–Fulcher relaxation process, 88P
Voltage, 2032C
Volume phase transition, 2671C, 4524C, 922P

Water, 1939P
Water clustering, 1998P
Water permeation, 1521P
Water sorption, 1521P
Water structure, 329P
Water swell, 3009P
Water transport, 659P
Water vapor permeability, 3009P
Water-based ink, 2855C
Water-born, 1283C
Waterborne epoxy, 2351P
Water-developed, 1283C
Water-soluble derivatives, 3578C
Weak protonic acid, 781C
Wetting, 831P
Whiskers, 383P
Wide- and small-angle X-ray scattering, 611P
Wide-angle X-ray scattering (WAXS), 1872P, 2841P
Wilhelmy, 3028C
Wittig–Horner reaction, 4119C
Work of adhesion, 1485P

XPS, 3682C
X-ray diffraction, 838P, 1605P, 2480P, 2937P
X-ray diffraction pattern, 2032C
X-ray photoelectron spectroscopy, 3510C, 501P
X-ray scattering, 2296P
X-ray structure, 108C
X-rays, 1662P
XRD, 84P
Xylaric, 594C
3,5-Xylidine, 4238C

Ytterbium triflate, 2728C

Zero-shrinkage, 68C
Ziegler catalyst, 3966C
Zinc chloride, 229C, 1355C
Zirconocene catalyst, 3161C
Zirconocenes, 571C, 2333C, 3802C
Zwitterion, 2075C, 4200C